

FIG. 2A

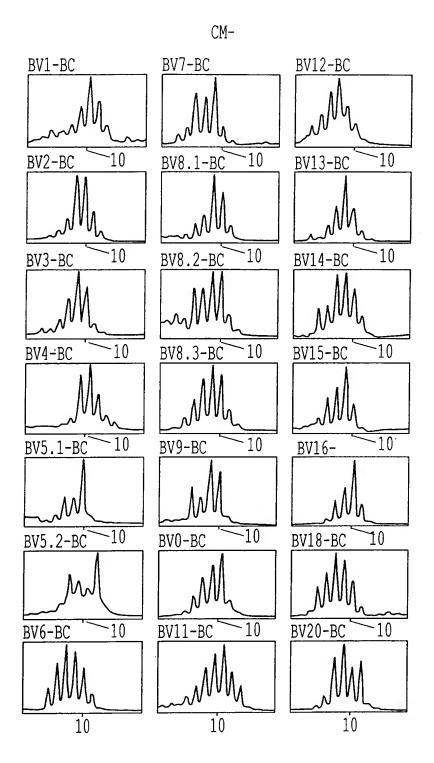


FIG.2B

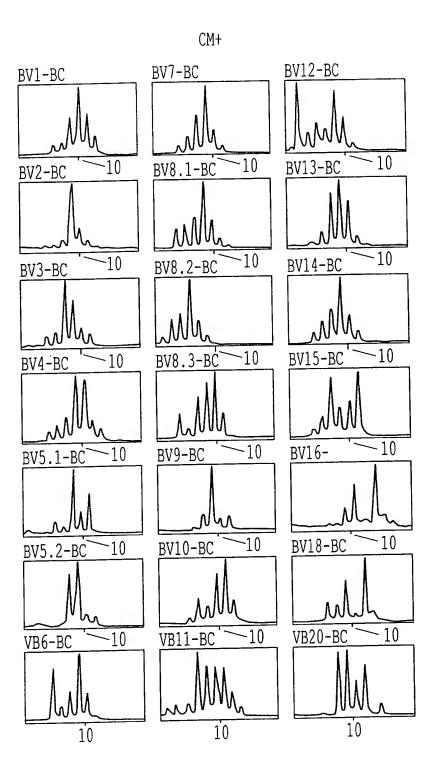


FIG.2C

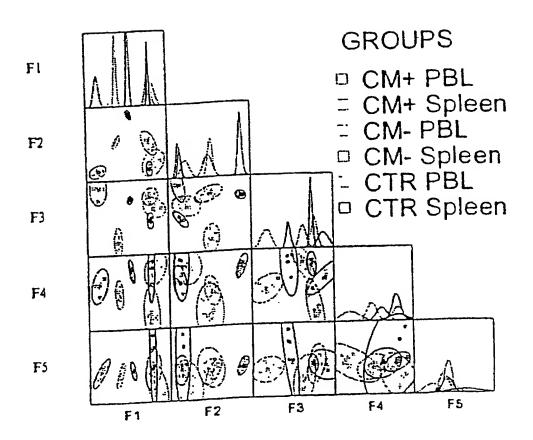


FIG. 3

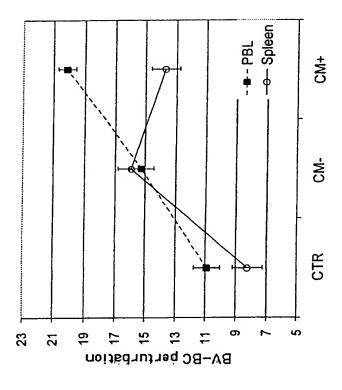


FIG. 44

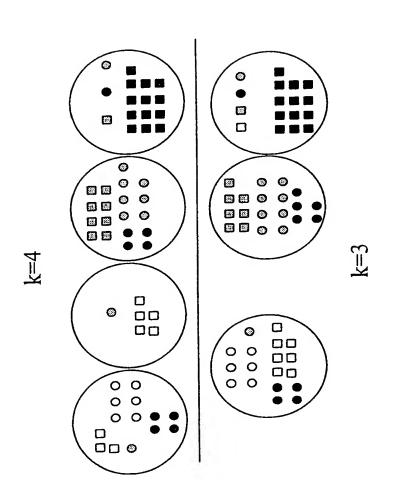


FIG. 4B

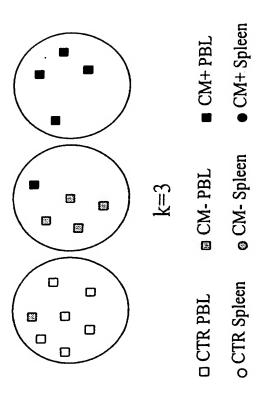
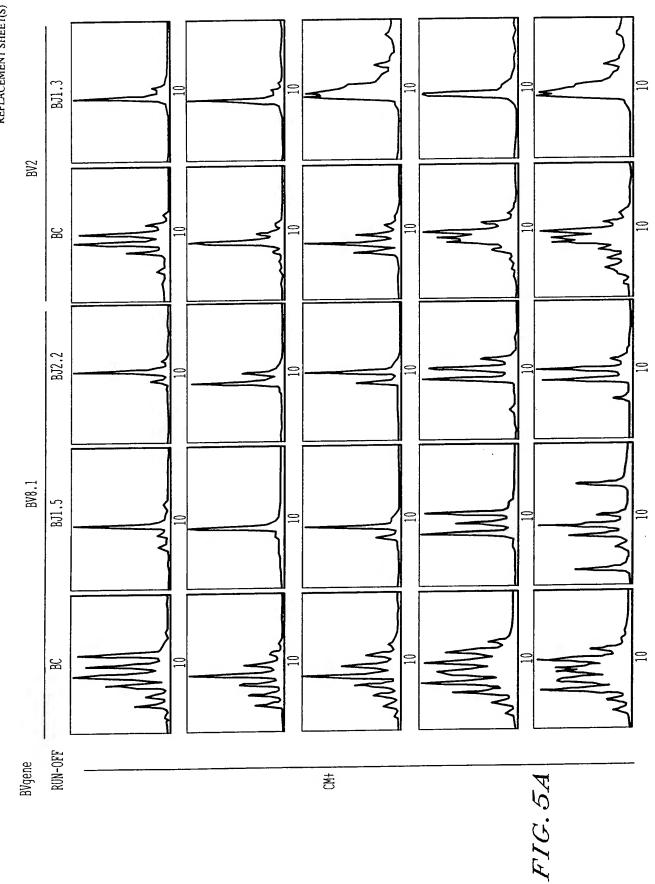
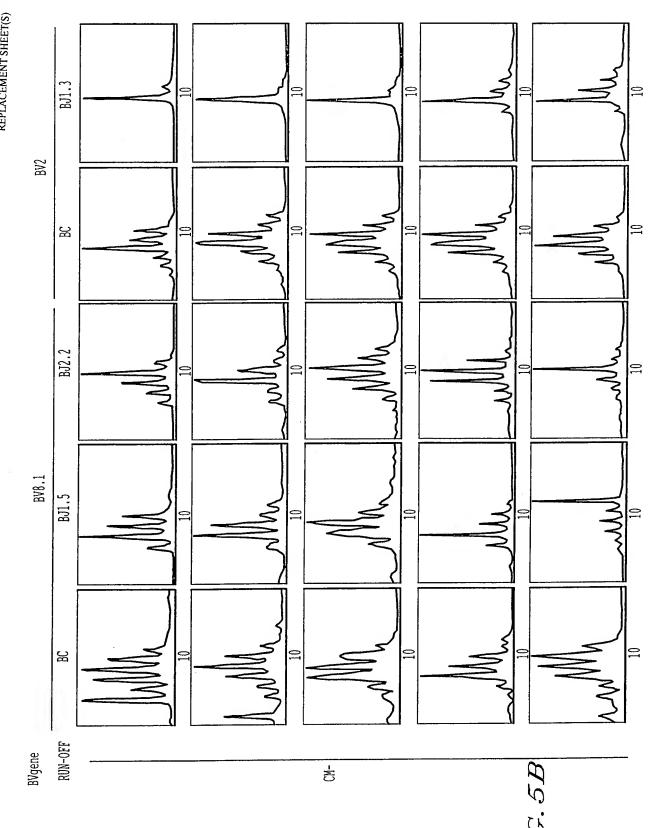


FIG. 4C





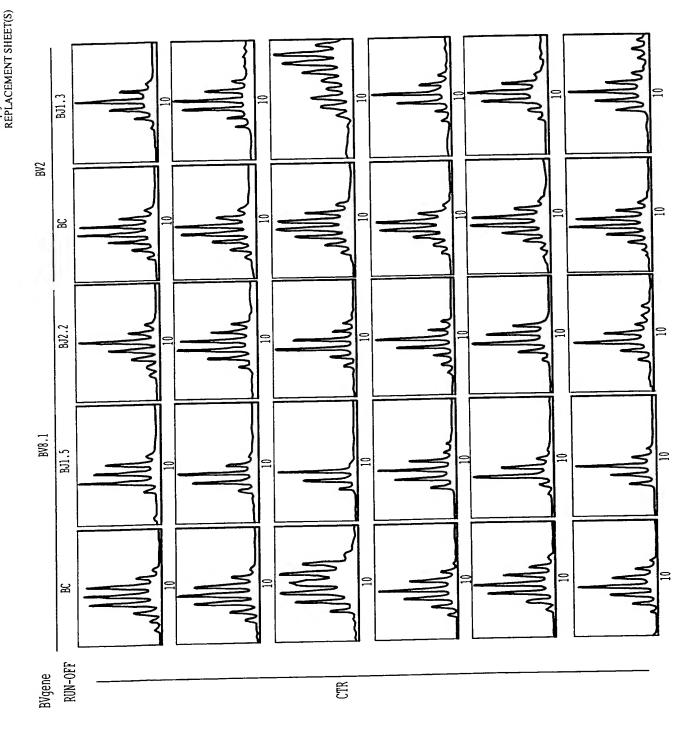


FIG. 5C

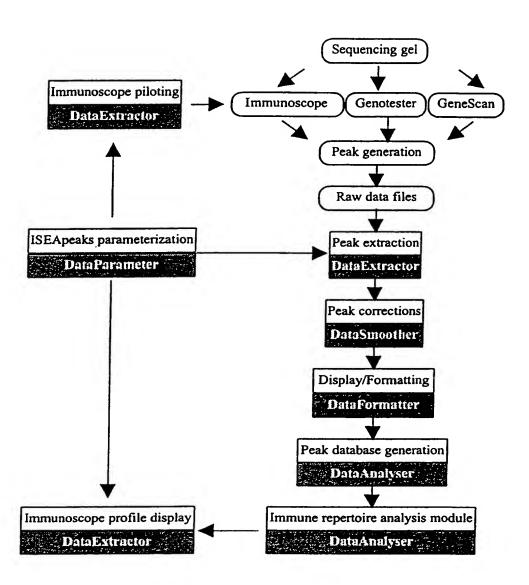
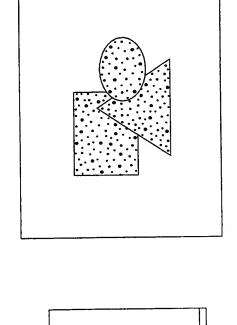


FIG. 6



BV 4-BC

FIG. 7B

FIG. 74

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	MLENGTH		178	182	184	187	190	193	196	199	202					
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	misCONSIDERED							 1			1					
	MLENGTH	0	178	181	183	186	189	192	195	198	201					
THIRD FILTER	 MAREA	100019 2008	2008	6133	14418	23540	14418	14069	7082	5516	2589					
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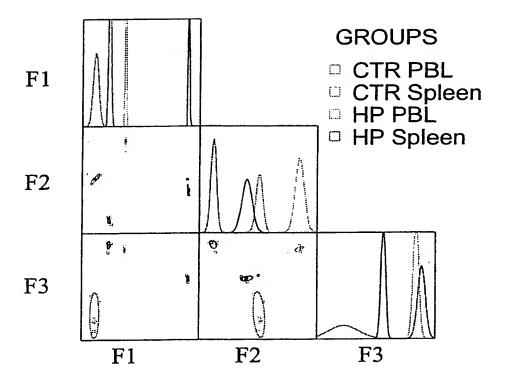


FIG. 8

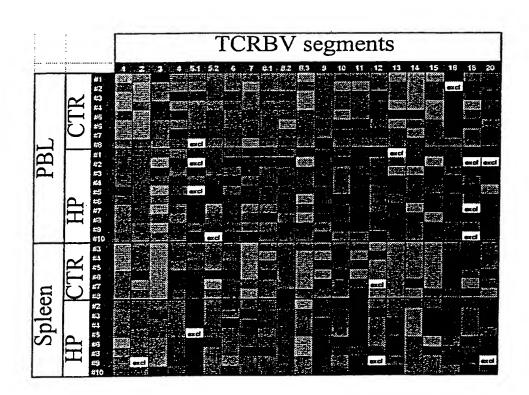
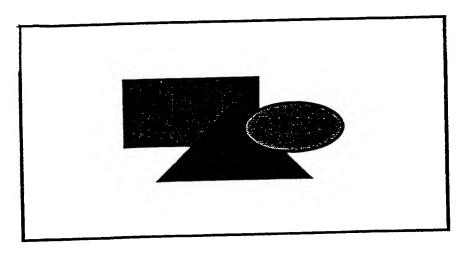
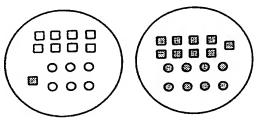


FIG. 9

FIG. 10A





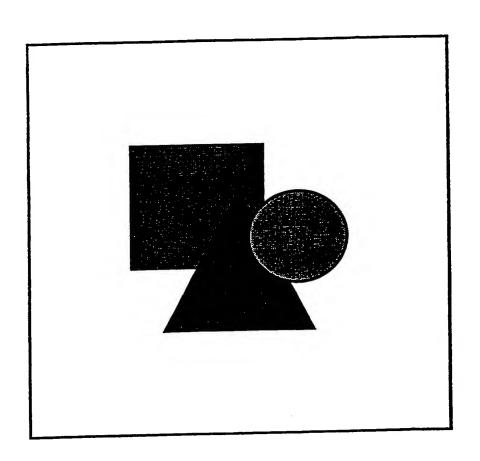
□ CTR PBL

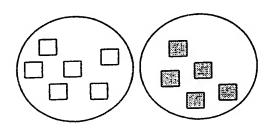
■ HP PBL

O CTR Spleen

FIG 10B

FIG. 11A





CTR PBL HP PBL

FIG 11B

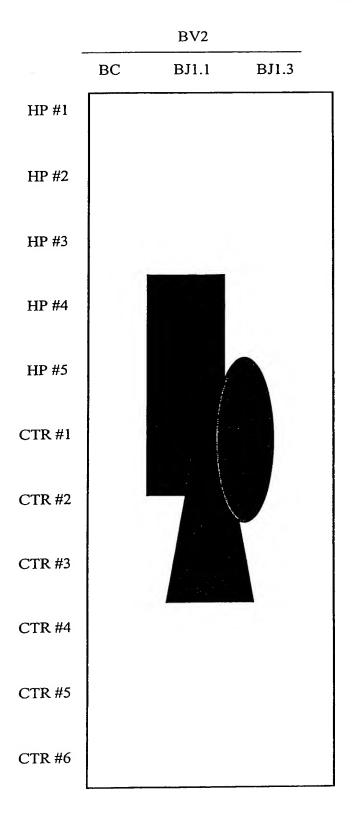


FIG. 12

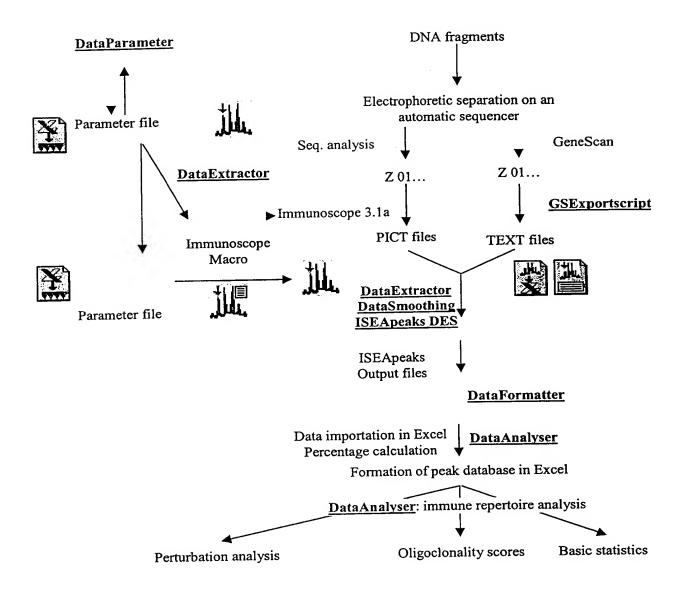


FIG. 13

FIG. 14



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Reset ISEApeaks Menu

New file

About this file

ISEApeaks Preferences

About ISEApeaks

FIG. 15

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FIG. 16

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s misConsidered	1	1	1	1	1
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FIG. 17

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FIG. 18

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24	7.59	Va08.1-181.4	0,41	0.98	2,37	2,47	1,14	0,53				3
<u> </u>	4.89	Va08.1-181.5	0,40	1,55	1,41	1,17	0,35					
7.	2.73	Va05.1-191.6	0.22	0,55	0,53	0,73	0,44	0,17				
<u>8</u> È	12.30	Va05.1-Ja2.1	1,03	2,35	3,50	3,25	1,54	0,52				ļ Š
<u>s</u>	Б,93	VE08.1-182.2	0,32	0,49	0,84	1,47	2,28	1,04	0,50	Sec. 1		
	10,98	Va05.1-192.3	0,70	2,00	2,45	4,25	1,59					
1.	12.45	Va05.1-112.4	0,98	2,85	3,39	2,99	1.47	0,77			 	The state of the s
3	9.05	V±08.1-152.5	0,35	0,54	1,85	3,15	2.01	1,03				
4	12,42	Va05.1-112.7	0,82	1,85	3,32	3,31	2,39	0,72				
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3.1	7,44	V.08.1-Ja1.2	0,40	0,95	2,59	2,21	1,29					
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201	misCanside red				 	107	200	203		-		
可聞 VaOS.1-302.	mLength		188	191	194	197 14493	5851	2767				1-1
FAC 197		54850	4513	10450	15626	14435					*******	-
34	misConsidered		1	 	100	202	205	208	211			
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26 (mbCanside red			182	185	158	191					
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25	mbCanside red	ļ	179	182	185	188	191	194		T		_
38 VEOS.1-162.		55571	4354	12752	15132		5543	3454				
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3 1	misConsidered	<u> </u>	184	187	150	193	195				T	
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FIG. 19

FIG. 20

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353 Yb08.1-Jb1.5	8	184	190	184	31,61	184	32,96	184	49,39
345 Yb08.1-Jb1.5	9	187	190	187	28,80	187	42,12	187	33,11 型
35 Yb08.1-Jb1.5	10	190	190	190	24,01	190	15,69	190	9,77
36# Yb08.1-Jb1.5	11	193	190	193	7,44	length failed	0,00	length falled	0,00
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25 Yb08.1-Jb1.4	7	188	197	188	5,08	188	7,97	188	8,42
723 Yb08.1-Jb1.4	8	191	197	191	12,21	191	17,04	191	8,44
276 Yb08.1-Jb1.4	9	194	197	194	29,67	194	31,29	194	34,29
289 Yb08.1-Jb1.4	10	197	197	197	30,89	197	34,35	197	35,09
29. Yb08.1-Jb1.4	11	200	197	200	14,28	200	9,35	200	13,75 多
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167 Vb08.1-Jb1.3		182	188	182	25,42	182	12,34	182	25,25
福PM Yb08.1-Jb1.3	8	185	188	185	31.42	185	33.87	185	40,10
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\$16L=1.804Y	ſυ.	188	268	188	28,83				
1.1dL-1.80dY 题词题	7	191	200	191	16,31	191	13,25	191	15,04
1.1dL-1.80dY	8	194	200	194	28,26	194	28,49	194	27,58
表7個 Yb08.1-Jb1.1	9	197	200	197	30,26	197	34,75	197	32,28
88 Yb08.1-Jb1.1	10	200	200	200	13,73	200	10,47	200	13,37
9- Yb08.1-Jb1.1	11	203	200	203	4,90	203	6,27	203	3,24
10E Yb08.1-Jb1.2	5	181	196	length failed	0,00	length failed	0,00	length failed	0,00
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and the state of t		Carlos Description	(A)		F 24.52	G G	# H . "	WENT MENT	- J
	Bie te	State Constant	A Dami	नेपाद्धानं विश्वपतिहा		2,2	A Control Law (19)	2,3	·····································
mDescription	CDR3 (aa)	Length (nt)	CURS IU 88	2.1		Length	Q2	Length	x
: 2					%		0.00		10.67
3 Yb08.1-Jb1.1	5	185	200	length failed	0,00	length failed	0,00	length failed	0,00

FIG. 21

						_		44833	98859 I	THE!
	Z18UZ]	181741	(010/		15554	54481	10202	14622	28401	優
R A CHAIL I C C C C C C C C C C C C C C C C C C		6567	29306	31277	7754	32974	10283 79788		274977	- [2]
変/程度的 しししし・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・			77878		00001	147812	1,5,00	85689	180862	- [数]
		28358	78625		15884	34825	39808	71517	287295	
* AC SH DOD				210070	19807	59996	18150	72069	194977	
			25304			141434	29346		124007	- [器
TANKS I DUO. I DUD		JUJU . [203621	28853	137020	42234	68872 82712	354859	
TANK TOUGHT COUNTY				252387	39974	89281	38982	82/12	334037	1
4	222051	33310							i.	
28				NewGoro	chov 7	NewRep Ar	ray N	100 多数数数	を経過(1)	
1 1 b b Para / Pe	ks \ Ne	Percent	mipor c X	110 11 0 0 11		and the second second	5.14	8,05	13,52	
the state of the s	10,98	4,81	9,63	9,27	6,71	5,41	8,32	8,11	9,17	
10日 Yb08.1-Jb2.3 15日 Yb08.1-Jb2.4	12,46	8,90	9,68	10,17	10,31	12,75	11.97	7.75	5,84	
	9,05	10,14	11,15	8,97	9,78	12,35	11.05	9.31	16,70	- 5
22 Yb08.1-Jb2.5	12,42	12,62	9,82	11,12	13,55	8,05	11,03	<u> </u>		· -
		1				1	1 7	1,4	1.5	
14	.2,1	2,2	2,3	2,4	1,1	1,2	1,3			
15	39144	39387	145864	249425	36087	119154		156203 66293	112294	
16 Yb08.1-Jb1.1	33165	37208	102266	225983	48280	134508	28366	45164	30231	
Yb08.1-Jb1.2	18002	26363	60653	108024	5593	68404	excluded	27163	152436	
¥€ Yb08.1-Jb1.3		46797	108585	240973	16392	89268	31214	27103	1-200-30	
191. Yb08.1-Jb1.4	33041	1t		1.04.570		LE G		7. 2. 2. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	THE USE	端言
	1 B	THE C. LEW	和,《 D 》。示	与《EASE	Fair					
	2,1	2,2	2,3			1,2	4.72	17.59	13,46	T
	8,78	8,99	11,27	10,99	12,23		8.04	7.46	5.28	TE
記述 Yb08.1-Jb1.2 記述 Yb08.1-Jb1.2		8,49	7,90	9,95	16,36		excluded		1,42	TE
		6,02	4,68	4,76	1.90	6,17	8,85	3.06	7,17	1-1
		10,68	8,39	10,61	5,56	8,05	5,12	2,57	4.65	
		4,15	5,41	4,03	5,21	4,91	2,91	1.65	1.34	
6.1dL-1.80dy		1,50	2,26	1,38	2,63	2,97	22,61	19.70	12,94	
		~	13,74	11,81	10,39		11,28	9,65	8,51	11
		6,47	6,07	6,95	5,38	3,14	11,20			ø
99 Yb08.1-Jb2.2	3,70			DA 2.0	ex 📰					ا لي
71 4										

FIG. 22

228 Yb08.1-Jb1.2	184	3.39	1,97	-3,39	0,81	0,62
25篇 Yb 08.1-Jb 1.2	187	9.51	3,34	-1,19	-3,75	1,60
25 Yb08.1-Jb1.2	190	34,15	0,63	-3,62	12,35	-9,36
202 Yb08.1-Jb1.2	193	35.33	-5,67	-0,96	-1,40	8,03
	196	16,37	0,99	5,42	-6,76	0,35
	199	1.25	- 1,25	3,74	-1,25	-1,25
交通 Yb08.1-Jb1.2 _ 素行器 Yb08.1-Jb1.3	173	0.00	0,00	0,00	00,00	0,00
新報 Yb08.1-Jb1.3	179	4.60	3.80	1,04	-4,60	-0,25
以20 Yb08.1-Jb1.3	182	19.36	6.06	-7.02	5.89	-4.93
4 4 b bit para Peal		entimport Ne	y Gorochoy <u>∕</u>	NewRepArray	(No III SEE	
					40.40	7.4
14	7,69	7,56	9,44			34,
E mDescription	Length	Pc (Control)	2.1	2.2		2.4
1.1dL-1.80dY	185	0,00	0,00	0,00	0,00	0,00
FA Yb08.1-Jb1.1	188	6,53	0,01	0,24	1,96	-2,21
1.1ddyb08.1-Jb1.1	191	14,91	1,40	-1,66	0,13	0,13
10 Yb08.1-Jb1.1	194	26,97	1,30	1,53	0,61	-3,44
208 Yb08.1-Jb1.1	197	32,46	-2,20	2,29	-0,18	0,10 5,94
河間 Yb08.1-Jb1.1	200	14,50	-0,77	-4,04	-1, <u>13</u> -1,39	-0.52
222 Yb08.1-Jb1.1	203	4,63	0,27	1,64	0.00	0.00
毫異¥b08.1-Jb1.2	181	8,99 0,00	0,00	0,00 12,50	38,21	49,68
10U8.1-JD1.3	11,69	7,19	12,92	10,55	40,74	55,34
Yb08.1-Jb2.2	6,54	9.24	12,42	11,68	41,39	42,13
5億 Yb08.1-Jb1.6	2,97	5.69	2,70	6,17	43,18	40,58
6 Yb08.1-Jb1.1	6,66	11,63	12,88	7,54	53,23	36,98
7個 Yb08.1-Jb2.4	3.29	4.40	4,48	6,20	19,62	34,11
85 Yb08.1-Jb2.7	6.94	7.17	5.74	7,94	36,47	31,97
90 Yb08.1-Jb2.1 106 Yb08.1-Jb1.2	6.92	9.16	13,16	10,61	54,92	13,03
	7.21	6.37	10.14	6,48	, 32,73	25,06
(I)	6,63	7.13	6,98	7,46	35,95	14,53
124 YDUO.1-JD1.4	9.46	9.34	5.78	9.18	27.10	25.04
154 YUUO.U-UUZ.U		The second secon	2.0 ex	17. 1. 20		e e e
	and the second s	and the second second	is a property of the second	Talkanat English to	CONTRACTOR OF THE PARTY.	G G
	and the RIVE STATE	C C	PROPERTY UNDER SHEET	1	The state of the s	
型。III的文文AS的选择		The state of the s	2.7	24		
	2.1	4,44	15.07	13,32	62,32	42,58

FIG. 23

		, 200	, 0,70 (
25% Yb08.1-Jb1.2	5	181	0,00	0.00	0.00	0,00	
268 Yb08.1-Jb1.2	6	184	0,28	0,01	0,08	0,00	1 1
27 Vb08.1-Jb1.2	······································	187	0,81	0,02	0.01	0,12	
28. Yb08.1-Jb1.2	8	190	2.83	0,06	0.06	0,71	-
298 Yb08.1-Jb1.2	9	193	3.03	0,68	0.01	0,12	
308 Yb08.1-Jb1.2	10	196	1.39	0,01	0.21	0.40	
1 Yb08.1-Jb1.2	. 11	199	0.11	0.01	0.10	0.01	
328 Yb08.1-Jb1.3	5	173	0.00_	0.00	0.00	0.00	
(NewPerc	entimport / Ne	wGorochov \ No	e⊌Dechanet 🏸	NewRepA III 图	1 5 Care	
and a strip to the	20 B 14 - 15				n - 1936 n - 1 - 1		
15:							
16	AA7 ()	DOD 111-6	D- (011)				
	DR3 (aa)		Pc (Control)	2,1	2,2	2,3	7
87 Yb08.1-Jb1.1	5	185 188	0,00	0,00	0,00	0,00	
© Yb08.1-Jb1.1		191	0,65 1,49	0,01	0,00	0,09	
4回 Yb08.1-Jb1.1	 8	194	2,68	0,04	0,09	0,04 0,18	
22 Yb08.1-Jb1.1		197	3,25	0,35	0,02	0,15	1
大規 YhO8.1-Jb1.1	10	200	1.47	0,07	0,28	0,00	
ZM VHOR 1 - IN 1 1		203	0.45	ი იი	0.01	0,00	1
5.1 dL-1.80dY 麗己	0,62	0,72	0,45	0,55	1,67	ກ ຄາ 3,78	
🗺 Yb08.1-Jb1.4	1,06	0,98	0,65	0,88	2,31	1,13	
2.1dL-1.80dY腦	0,60_	. 0,30	1,07	0,74	3,96	2,58	
30 Yb08.1-Jb1.6	0,35	0,25	0,31	0,36	1,10	1,22	
E型 Yb08.1-Jb2.1	1,25	2,08	0,67	1,24	4,13	4,81	
V Yb08.1-Jb2.2	0,72	0,38	0,59	0,63	2,07	2,19	
WYb08.1-Jb2.3	1,46	1,93	0,95	0,74	2,62	2,39	
28 Yb08.1-Jb2.4	1,20	1,34	0,97	0,59	6,17	4,18	
Vb08.1~Jb2.5	1,00	1,09	0,86	0,87	2,82	3,41	100000
48 Yb08.1-Jb2.7	0.58	0.55	0.72 l	0.65	2.78	2.80	
			DA 2.0 ex 🚟	and the land to the	Silver Marine Property		e e
(A)	黑坎 B 的产品	State Comment	d Dasarai	(特性世 尼 克兰第三十	2000年2月1日 1000年1月1日	MIL G	
Dechanet scores	2,1	2,2	2,3	2,4	1,1	1,2	
Sample	3,20	3,74	2,76	2,92	14,41	11,07	Siebus
M Yb08.1-Jb1.1	0,69	0,65	0,69	0,88	4,94	4,81	1 3
3 Yb08.1-Jb1.2	0.89	0.69	1,17	1.41	8,72	2.25	1 2

FIG. 24

								130
725% Yb08.1-Jb1.4 8	1 191	13,46		27 0,63	1,20	0,00	0,69	1,24
	194	32,25	0,92 0,9		1,05	2,04	1,40	1,10
	197	31,80	0,97 1,0	1,10	0,84	1,07	1,05	1,24
and the second s	200	13,55	1,05 0,6		1,24	0,00	0,89	0,62
and the second distance of the second distanc	203	1,97	4,00 0,0	00,00	0,00	0,00	0,00	0,00
	175	0,00	∞ ∞		∞	- 00	00	∞ 521
	181	9,80	0,83 0,9		1,44	0,00	1,10	0,00
	184	34,32	0,92 0,9	96 1,44	0,68	0,00	0,29	0,61
		alScore / Ne	wRep Array		1.1	一种 多新	開發的	
New Dechanet New RI	S A HEWOIIGOOIOI				0.00	0.00	0.00	0.00
展長 Yb08.1-Jb1.2 11	199	1,25	0,00 4,1		0,00	∞ ∞	0,00	excluded to
M 3 Yb08.1-Jb1.3 5	173	0,00	00 0		00 C	0.00		excluded
765 Yb08.1-Jb1.3 5	179	4,60		23 0,00	0,95 0,75	0.00		excluded a
## Yb08.1-Jb1.3 8	182	19,36	1,31 0,	64 1,30 95 1.12	1.06	0,00	2,39	excluded
ECON VEDR 1 - IN1 3	185	35,83			0,69	2,19	0.00	excluded .
20 Yb08.1-Jb1.3 10	188	23,14	The state of the s		1.43	0.93	0.00	excluded at
248 Yb08.1-Jb1.3	191	14,24		07 0,74	00			excluded
22 Yb08.1-Jb1.3 12	194	0,00		56 0,00	2.44	0.00	0.00	excluded
服2を置 Yb 08.1-Jb 1.3 14	200	2,83		14 1.21	0.92	0.00	0.00	0.00
第2公司Yb08.1-Jb1.4 7	188	6.98 26,97		06 1,02	l 0:67	1,65	1,05	0,76
35 Yb08.1-Jb1.1 8	194	32,46		07 0,99	1.00	0,46	0,80	0,76 B
	197	14,50		72 0,92	1,41	0,00	0,00	0,63
Yb08.1-Jb1.1 10	. 200 203	4.63		35 0,70	0,89	0,00	0,00	0,00
88 Yb08.1-Jb1.1 11	181	0,00		× 00	00	00	00	∞ 2
Yb08.1-Jb1.2 5	184	3.39	1.58 0.	00 1,24	1,18	15,71	0,00	0,00
新 05 Yb08.1-Jb1.2 6 6 7	187	9,51	1.35 0	88 0,61	1,17	1,52	0,73	0,70
	190	34,15	1.02 0	89 1,36	0,73	0,39	1,03	0,63
123 Yb08.1-Jb1.2 8	193	35,33	0.84 0	97 0,96	1,23	0,53	0,84	0,92
■13= Yb08.1-Jb1.2 9	196	16,37	1,06 1	33 0,59	1,02	0,00	1,47	or designation of the contract
12 Yb08.1-Jb1.2 10	La produce and the second of the	■ DA 2.0 ex ■		Augustin and a second	Hashiy , Michigan	A. P. S.	24110	ままり 日
T .		Committee and the	1 2 3 3	F. G.	IL H.	Louisian	J.	K Z
A B		A RESTAUD TO THE	app E間間		2.4	1.1	1.2	= اسم
mDescription CDR3 (aa		Pc (Contro			00	00	00	0,00 1,20
2 Yb08.1-Jb1.1 5	185	0,00		∞ ∞ .04 1.30			7.01	0.00
3 Yb08.1-Jb1.1 6	188	6,53				2,71	0,00	1,20
7 Yb08.1-Jb1.1 7	191	14,91	טן פט, ו	,89 1,01	Liber	il evil	10,00	1 -7 3334

FIG. 25

FIG. 26

10 9 8	205 202 197 194	0,04 0,07 0.08	0,05	0,09	0,04	0,11	1,86	3,56						
9	197					0.09	2,24	0.63	0.19	0.63	0,43	0,07	5	- 4
8		U.U6 I	0.09	0.08	0.08	0.74	1,29	0.96	0.06	0.04	0,29	0,08	5	4
		0.07	0.07	0.07	0.06	2.22	1.41	0.37	0.05	0.03	0.28	0,07	5	4
		0.09	0.20	0.09	0.31	0.55	0.15	0.84	0.26	0.08	0,27	0,15	5	4
	185	0.20	0.23	0.23	0.31	0.34	0.20	0.59	0.29	0.13	0.27	0.24	5	4
CON 10. 10. 10.	193				_	بنيبيا وحراجي		Alle Sales					- A. W.	4 D
(Vistakis	YMAAD								1 40	1 50	Conro 1	Score 2	NA 1 M	b 2
DR3 (aa)	Length	2,10												-
10	205	0,03	0,07											
9	187	0,19	0,77											- 3
9	202	0,02											+-3	
9	185	0,21	0,08	,										
9]	194	0,07												7
10	197													
9	199	0.06	0.09	0.23	0.06				0.10	1 0.70	0.54	0.09		
7	6	4	7	2	2									
5	6	6	5	4	6					•				
6	7	5	5	3	7			and the second						
6	5 "	6	5	4			.5							
6	7	6	6	5_	6	6	5	<u> </u>	L					
									ļ					
				i		1	;	·						
2.1	2.2	2,3	2,4	1,1	1,2	1,3	1,4					× :		
6	6	6	6	3	3	4	6		i			- 4		
5	5	5	5	4	5	4	5							
5	6	4	6	4	2	excluded	4	3						
6	5	5	5	2	4	4	4	4						
5	4	4	4	1.1	3	2		L6		ļ				
6	6	5	6	4	3	3	J <u>5</u>	4			Loomanna			
			1 5	1.4	1_4_		5-5-	<u> </u>	1		painte propriet	willbrus a links	SEE ALTER METON HE	-
	والمناك				2 D4	.20 ex							11 July 4 July 194	
	10 9 9 9 10 2 7 5 6 6 6 6	DRS (as) Length 10 205 9 187 9 202 9 185 9 194 10 197 2 129 7 6 5 6 6 7 6 7 2,1 2,2 6 6 5 5 5 6	DRS (as) Length 2,10 10 205 0,03 9 187 0,19 9 202 0,02 9 185 0,21 9 194 0,07 10 197 0,08 9 199 0,06 7 6 4 5 6 6 6 7 5 6 6 7 6 6 7 6 2,1 2,2 2,3 6 6 6 5 5 5 5 6 4	DR3 (as) Length 2,10 2,20 10 205 0,03 0,07 9 187 0,19 0,77 9 202 0,02 0,07 9 185 0,21 0,08 9 194 0,07 0,21 10 197 0,08 0,23 2 129 0,06 0,09 7 6 4 7 5 6 6 5 6 7 5 6 7 6 6 5 6 7 6 6 5 6 5 6 7 6 6 5 6 5 6 7 6 6 5 6 5 6 7 6 6 5 7 6 6 5 7 6 6 6 5 7 6 6 6 5 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 6 6 7 7 6 6	DRS (as) Length 2,10 2,20 2,30 10 205 0,03 0,07 0,57 9 187 0,19 0,77 0,61 9 202 0,02 0,07 0,67 9 185 0,21 0,08 0,73 9 194 0,07 0,21 0,23 10 197 0,08 0,23 0,24 2 199 0,06 0,09 0,23 7 6 4 7 2 5 6 6 5 5 6 5 4 6 7 5 6 5 6 5 4 6 7 6 6 5 6 5 4 6 7 6 6 5 5 6 7 6 6 6 5 4 6 5 5 5 5 5 4 6 6 5 5 6 6 6 5 7 6 6 6 6 6 6 5 7 6 6 6 6 6 5 7 6 6 6 6 6 6 5 7 6 6 6 6 6 6 6 5 7 6 6 6 6 6 6 6 5 7 6 6 6 6 6 6 6 6 5 7 6 6 6 6 6 6 6 6 6 6 7 7 6 6 6 6 6 6 6	DRS (as) Length 2,10 2,20 2,30 2,40 10 205 0,03 0,07 0,57 0,02 9 187 0,19 0,77 0,67 0,03 9 187 0,19 0,77 0,67 0,03 9 185 0,21 0,08 0,73 0,09 9 194 0,07 0,21 0,25 0,24 0,18 10 197 0,08 0,23 0,24 0,18 2 12 12 12 12 12 12 12 12 12 12 12 12 1	DRS (as) Length 2,10 2,20 2,30 2,40 1,10 10 205 0,03 0,07 0,57 0,02 4,75 9 187 0,19 0,77 0,61 0,86 36,79 9 202 0,02 0,07 0,67 0,03 8,78 9 194 0,07 0,21 0,23 0,23 8,92 10 197 0,08 0,25 0,24 0,18 4,62 2 199 0,06 0,09 0,23 0,06 0,92 7 6 4 7 2 2 2 2 7 6 4 7 2 2 2 2 8 6 6 5 4 6 5 4 6 5 8 6 6 5 4 6 5 6 6 8 7 5 6 6 5 4 6 6 6 8 7 6 6 5 4 6 6 6 6 8 7 7 6 6 6 5 6 6 6 8 7 7 6 6 6 5 6 6 6 8 7 7 6 6 7 7 6 6 7 7 6 6 8 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	DRS (as) Length 2,10 2,20 2,30 2,40 1,10 1,20 10 205 0,03 0,07 0,57 0,02 4,75 11,41 9 1,67 0,19 0,77 0,61 0,86 36,79 3,99 202 0,02 0,07 0,67 0,03 6,78 2,12 9 185 0,21 0,08 0,73 0,09 0,47 11,57 9 194 0,07 0,21 0,23 0,23 8,92 0,82 10 197 0,08 0,23 0,24 0,18 4,62 0,61 2 197 0,68 0,99 0,23 0,06 0,92 0,89 7 6 4 7 2 2 2 2 3 5 6 6 5 4 5 4 6 5 5 5 6 6 6 5 6 6 5 6 6 5 6 6 5 5 6 6 6 5 5 6 6 6 5 5 6 6 6 5 5 6 6 6 5 5 6 6 6 5 5 6 6 6 5 5 6 6 6 5 5 6 6 6 5 5 6 6 6 5 5 6 6 6 5 5 5 5 5 5 4 5 4	DRS (as) Length 2,10 2,20 2,30 2,40 1,10 1,20 1,30 10 205 0,03 0,07 0,57 0,02 4,75 11,41 8,88 9 187 0,19 0,77 0,61 0,66 36,79 3,95 10,70 9 202 0,02 0,07 0,67 0,03 8,78 2,12 4,65 9 185 0,21 0,08 0,73 0,09 0,47 11,57 excluded 9 194 0,07 0,21 0,23 0,23 8,92 0,82 0,62 0,65 10 197 0,08 0,23 0,24 0,18 4,62 0,61 0,72 2 129 0,06 0,09 0,23 0,06 0,92 0,89 0,79 7 66 4 7 2 2 2 3 4 4,62 0,61 0,72 6 4 6 5 5 5 5 6 6 6 5 6 6 5 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 6 5 6	DRS (as) Length 2,10 2,20 2,30 2,40 1,10 1,20 1,30 1,40 10 205 0,03 0,07 0,57 0,02 4,75 11,41 8,88 2,00 9 187 0,19 0,77 0,61 0,86 36,79 3,95 10,70 1,34 9 202 0,02 0,07 0,67 0,03 8,78 2,12 4,65 2,05 9 185 0,21 0,08 0,73 0,09 0,47 11,57 excluded 0,74 9 194 0,07 0,21 0,23 0,23 8,92 0,82 0,82 0,65 0,67 0,67 0,03 1,97 0,61 0,72 0,46 10 197 0,08 0,25 0,24 0,18 4,62 0,61 0,72 0,46 2 129 0,06 0,09 0,23 0,06 0,92 0,89 0,79 0,10 7 6 4 7 2 2 2 3 3 4	DRS (as) Length 2,10 2,20 2,30 2,40 1,10 1,20 1,30 1,40 1,50 10 205 0,03 0,07 0,57 0,02 4,75 11,41 8,88 2,00 0,79 9 187 0,19 0,77 0,61 0,86 36,79 3,95 10,70 1,34 0,08 9 202 0,02 0,07 0,67 0,03 8,78 2,12 4,65 2,05 0,65 9 194 0,07 0,21 0,23 0,23 8,92 0,82 0,82 0,65 0,67 0,79 11,57 excluded 0,74 1,19 9 194 0,07 0,21 0,23 0,23 8,92 0,82 0,82 0,65 0,67 0,79 10 197 0,08 0,25 0,24 0,18 4,62 0,61 0,72 0,46 0,56 0,77 6 4 7 2 2 2 3 3 4 5 6 5 5 5 5 5 6 6 6 5 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 6 5 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6	DRS (as) Length 2,10 2,20 2,30 2,40 1,10 1,20 1,30 1,40 1,50 Score 1 10 205 0,03 0,07 0,57 0,02 4,75 11,41 8,88 2,00 0,79 3,77 9 187 0,19 0,77 0,61 0,86 36,79 3,95 10,70 1,34 0,08 2,76 9 202 0,02 0,07 0,67 0,03 8,78 2,12 4,65 2,05 0,65 2,59 9 185 0,21 0,08 0,73 0,09 0,47 11,57 excluded 0,74 1,19 1,48 9 194 0,07 0,21 0,23 0,23 8,92 0,82 0,82 0,65 0,67 0,79 1,20 10 197 0,08 0,25 0,24 0,18 4,62 0,61 0,72 0,46 0,56 0,88 2 199 0,06 0,09 0,23 0,06 0,92 0,89 0,79 0,10 0,70 0,54 7 6 4 7 2 2 2 3 4 5 5 5 5 5 6 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 5 6 6 6 5 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6	DRS (as) Length 2,10 2,20 2,30 2,40 1,10 1,20 1,30 1,40 1,50 Score 1 Score 2 10 205 0,03 0,07 0,57 0,02 4,75 11,41 8,88 2,00 0,79 3,77 0,07 9 187 0,19 0,77 0,61 0,86 36,79 3,95 10,70 1,34 0,08 2,76 0,53 9 202 0,02 0,07 0,67 0,03 8,78 2,12 4,65 2,05 0,65 2,59 0,07 9 185 0,21 0,08 0,73 0,09 0,47 11,57 excluded 0,74 1,19 1,48 0,19 9 194 0,07 0,21 0,23 0,24 0,18 4,62 0,61 0,72 0,46 0,56 0,89 0,17 10 197 0,08 0,23 0,24 0,18 4,62 0,61 0,72 0,46 0,56 0,88 0,17 2 199 0,06 0,09 0,23 0,06 0,92 0,89 0,79 0,10 0,70 0,54 0,09 7 6 4 7 2 2 2 2 3 4 5 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6 6 6 5 6	DRS (aa) Length 2,10 2,20 2,50 2,40 1,10 1,20 1,30 1,40 1,50 Score 1 Score 2 Nb 1 N 10 205 0,03 0,07 0,57 0,02 4,75 11,41 8,88 2,00 0,79 3,77 0,07 55 9 187 0,19 0,77 0,61 0,86 36,79 3,95 10,70 1,34 0,08 2,76 0,53 5 9 202 0,02 0,07 0,67 0,03 8,78 2,12 4,65 2,05 0,65 2,59 0,07 5 9 185 0,21 0,08 0,73 0,09 0,47 11,57 excluded 0,74 1,19 1,48 0,19 4 9 194 0,07 0,21 0,23 0,23 8,92 0,82 0,65 0,67 0,79 1,20 0,17 5 10 197 0,08 0,23 0,24 0,18 4,62 0,61 0,72 0,46 0,56 0,88 0,17 5 2 129 0,06 0,09 0,23 0,06 0,92 0,89 0,79 0,10 0,70 0,54 0,09 5 7 6 4 7 2 2 2 2 3 3 4 5 5 5 5 6 6 6 5 6 6 6 5 6

9. 1.4		CONTROL CONTROL	
2 3			
YD08.1-Jb1.1 Yb08.1-Jb1.2 Yb08.1-	JD1.3 VD08.1-JD1.4 VD08.1-JD1.5	5 YD08.1-Jb1.6 Yb08.1-Jb2.1 Yb08.	1-Jb2.2 Vt
2.1 2.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3			
2.4			
1.2 Ustal designation	DA 2.0 ex		N E-METONIK B

FIG. 27

Depiction of overall disturbance

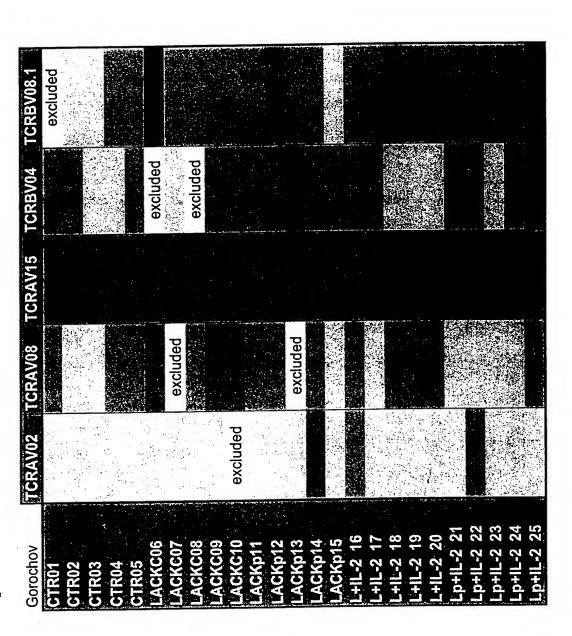


FIG. 28A

disturbance
overall
Depiction of

	TCBAV02	TCRAVOR	TCRAV15	TCRBV04	TCRBV08.1
20	1 04	5 17	16.38	7,82	pepnloxe
CINO	, c	3 77	19,38	5,23	2,82
CIRUZ OTEGO	2,0	0,30	11.74	4.74	3,22
CIRUS	2,04	20,7	11 51	2,80	5.55
CIK04	. 0,0	7,01	11,00	5 03	7.24
CTR05	0,82	1,23	1 - 1	excluded	43.90
LACKC06	2,44	14,70	17,00	4.25	8,94
LACKCO	2,23	7 71	- •	papnloxa	5,66
LACACOO	2, '2	11.32		00'9	5,46
LACKCOS	paprijuad	11,38		5,60	9,13
- ACKA1	2 15	8.99		9,01	5,81
- ACKNO	2,34	9.68		6,97	10,19
- ACK 13	4.27	excluded		12,33	9,34
1 ACKn44	10.36	7.12		6,22	6,59
1 ACKn15	2 79	3,09	20,18	8,52	3,89
1 11 2 16	5.17	60'9	19,78	5,63	8,77
TI 2 47	4.51	2.94	16,81	6,25	8,94
111 2 18	66.0	5.91	19,72	4,14	10,65
1 +11 -2 19	2 52	9.62	18,48	4,89	8,58
06 6 117 1	4 53	7.69	20,02	4,76	08'9
1-11-2 20	2.55	4.89	19,57	5,47	8,78
LP11-2 21	5.50	4,15	14,00	6,33	7,12
Lp111-2-22	2 33	3,19	18,08	4,43	08'6
Lp71L-2 23	2,23	4 84	20.00	7,23	10,53
Lp*!L*2 24	2,6	5,70	19.00	36,51	35,78
בטדוביב בט	2017				

DrawArray parameters

when < color
excluded
5
10
20
25
30
50
100

FIG. 28 B

Depiction of overall disturbance versus oligocionality

excluded								
15 I CKBV04	excluded	excluded				2000年8月1日		
ICKAVU8 ICKAV15	populoxo	מאסים		excluded				
I CKANUZ			excluded					
Gvs O CTR01 CTR02 CTR03 CTR04	CTR05 LACKC06	ACKC08 ACKC09	ACKC10 ACKp11	ACKp12 ACKp13	ACKp14 ACKp15	+1L-2 16 +1L-2 17	-+IL-2 18 -+IL-2 19 -+IL-2 20	_p+IL-2 21 _p+IL-2 22 _p+IL-2 23 _p+IL-2 24

FIG 28 C

OBLON ET AL (703) 413-3000 DOCKET # 26396US0X PCT INV. Alexis COLLETTE et al. USSN 10/519,950 Reply to O.A. DATED NOVEMBER 1, 2007 REPLACEMENT SHEET(S)

Depiction of overall disturbance versus oligocionality

1,94 5,17 0,63 3,77 2,02 2,32 2,81 7,01 0,82 7,29 2,44 14,70 2,23 excluded 2,12 7,71 0,79 11,32 excluded 11,38 2,15 8,99 2,34 9,68 4,27 excluded 10,36 7,12	5,17 3,77			
0,63 3,77 2,02 2,32 2,81 7,01 0,82 7,29 2,44 14,70 2,43 excluded 2,12 7,71 0,70 0,79 11,32 011 2,15 8,99 012 2,34 9,68 013 4,27 excluded 10,36 7,12	3,77	16,38	7,82	excluded
2,02 2,32 2,81 7,01 0,82 7,01 0,82 7,29 0,7 2,23 excluded 2,12 7,71 0,79 11,32 excluded 11,38 0,79 11,32 0,79 11,32 0,79 11,32 0,79 6,77 0,79 11,38 0,79 11,38		19,38	5,23	2,82
2,81 7,01 0,82 7,29 0,82 7,29 2,44 14,70 2,43 excluded 2,12 7,71 09 0,79 11,32 010 excluded 11,38 011 2,15 8,99 012 2,34 9,68 013 4,27 excluded	2,32	11,74	4,74	3,22
0,82 7,29 2,44 14,70 2,44 14,70 2,12 2,71 2,12 7,71 2,12 7,71 2,15 8,99 212 2,34 9,68 213 4,27 excluded 10,36 7,12	7,01	11,51	2,80	5,55
2,44 14,70 2,23 excluded 2,12 7,71 0,79 11,32 0,79 11,32 0,79 11,38 10 excluded 11,38 12 2,15 8,99 12 2,34 9,68 13 4,27 excluded 10,36 7,12		11,99	5,03	7,24
2,23 excluded 2,12 7,71 509 0,79 11,32 510 excluded 11,38 511 2,15 8,99 512 2,34 9,68 513 4,27 excluded 5,71		17,39	excluded	43,90
2,12 7,71 0,79 11,32 excluded 11,38 2,15 8,99 2,34 9,68 4,27 excluded		17,82	4,25	8,94
0,79 11,32 excluded 11,38 2,15 8,99 2,34 9,68 4,27 excluded 10,36 7,12		18,51	excluded	5,66
a excluded 11,38 2,15 8,99 2,34 9,68 4,27 excluded 10,36 7,12		18,32	00'9	5,46
2 2,15 8,99 2 2,34 9,68 3 4,27 excluded 4 10,36 7,12		15,27	5,60	9,13
2,34 9,68 4,27 excluded 10,36 7,12		16,37	9,01	5,81
4,27 excluded 10,36 7,12		20,34	6,97	10,19
10,36 7,12		16,72	12,33	9,34
000		16,63	6,22	6,59
3,09	3,09	20,18	8,52	3,89
		19,78	5,63	8,77
51 2,94		16,81	6,25	8,94
	5,91	19,72	4,14	10,65
52 9,62		18,48	4,89	8,58
L+iL-2 20 4,53 7,69 20	1,69	20,02	4,76	08'9
Lp+IL-2 21 2,55 4,89 19		19,57	5,47	8,78
Lp+IL-2 22 5,50 4,15 1.		14,00	6,33	7,12
Lp+IL-2 23 3,19 1		18,08	4,43	9,80
Lp+IL-2 24 3,27 4,84 2		20,00	7,23	10,53
Lp+IL-2 25 4,83 5,70 19		19,00	36,51	35,78

DrawArray parameters

color								
when <	excluded	5	10	20	25	30	50	100

FIG. 28 D

Parameters of file to use

	Workbook	Sheet	Group	Nature Remarks
-	DF CC/281 AC by EF Delta1	Data.1	1	CTR01
~	DF CC/281 AC by EF Delta1	Data.2	_	CTR02
က	DF CC/281 AC by EF Delta1	Data.3	_	CTR03
4	DF CC/281 AC by EF Delta1	Data.4	_	CTR04
2	DF CC/281 AC by EF Delta1	Data.5	_	CTR05
9	DF CC/281 AC by EF Delta1	Data.6	7	LACKC06
~	DF CC/281 AC by EF Delta1	Data.7	7	LACKC07
œ	DF CC/281 AC by EF Delta1	Data.8	7	LACKC08
6	DF CC/281 AC by EF Delta1	Data.9	2	LACKC09
10	DF CC/281 AC by EF Delta1	Data.10	2	LACKC10
11	DF CC/281 AC by EF Delta1	Data.11	က	LACKp11
12	DF CC/281 AC by EF Delta1	Data.12	က	LACKp12
13	DF CC/282 AC by EF Delta1	Data.1	က	LACKp13
14	DF CC/282 AC by EF Delta1	Data.2	က	LACKp14
15	DF CC/282 AC by EF Delta1	Data.3	ო	LACKp15
16	DF CC/282 AC by EF Delta1	Data.4	4	+IL-2 16
17	DF CC/282 AC by EF Delta1	Data.5	4	+IL-2 17
200	DF CC/282 AC by EF Delta1	Data.6	4	+IL-2 18
19	DF CC/282 AC by EF Delta1	Data.7	4	+IL-2 19
20	DF CC/282 AC by EF Delta1	Data.8	4	+IL-2 20
21	DF CC/282 AC by EF Delta1	Data.9	2	p+IL-2 21
22	DF CC/282 AC by EF Delta1	Data.10	ည	p+IL-2 22
23	DF CC/282 AC by EF Delta1	Data.11	2	p+IL-2 23
24	DF CC/282 AC by EF Delta1	Data. 12	ည	p+IL-2 24
25	DF CC/283 AC by EF Delta1	Data.1	5	p+IL-2 25

DrawArray parameters

When < color
excluded
5
10
20
20
25
30
50
100

FIG. 2

FIG. 30A

Depiction of overall disturbance versus oligocionality

pe			
excluded			
*			
GKBW			
		N.	8
302 302 303 304 7	2.5	2-19 12-2	12-2

G vs O	TCRBV04	TCRBV08.1
CTR02	2,65	3,64
CTR03	6,28	1,58
CTR04	2,00	4,08
L07	0,43	excluded
F08	1,28	1,15
F09	1,13	0,79
Lp12	0,87	3,53
Lp13	0,81	2,90
Lp14	2,98	2,79
L+1L2-17	8,38	3,32
L+IL2-18	3,14	3,21
L+1L2-19	5,35	3,13
Lp+1L2-22	9,22	6,56
Lp+1L2-23	2,44	3,64
Lp+1L2-24	2,37	5,07

meters color								
DrawArray parameters when <	excluded	2	10	20	25	30	90	100

Depiction of overall disturbance

DrawArray parameters when < ≪ color

excluded

ر 0 0

20 25 30

50 100

·9	TCRBV04	ICRBV08.1
CIR02		
STROA		
107		excluded
L 08		
F09		
Lp12		
Lp13		
Lp14		
L+1L2-17		
L+1L2-18		
1+11.2-19		
Lp+1L2-22		
Lp+/L2-23		
Lp+11.2-24		

g	TCRBV04	TCRBV08.1
CTR02	2,65	3,64
CTR03	6,28	1,58
CTR04	2,00	4,08
L07	5,10	excluded
L08	15,13	7,88
F09	13,36	5,43
Lp12	3,45	6,47
Lp13	3,20	5,31
Lp14	11,82	5,12
L+1L2-17	8,57	4,82
L+1L2-18	3,22	4,67
L+1L2-19	5,47	4,55
Lp+1L2-22	24,33	10,36
Lp+1L2-23	6,44	5,75
Lp+1L2-24	6,26	8,01

FIG. 30B

FIG. 31

Parameters of file to use

	Workbook	Sheet	Group	Nature	Remark
_	EF/06 DF	Data.1	-	CTR02	CTR02
7	EF/06 DF	Data.2	-	CTR03	CTR03
က	EF/06 DF	Data.3	-	CTR04	CTR04
4	EF/06 DF	Data.4	7	L07	Lack 07
2	EF/06 DF	Data.5	7	F08	Lack 08
9	EF/06 DF	Data.6	7	F09	Lack 09
7	EF/06 DF	Data.7	က	Lp12	Lackp12
∞	EF/06 DF	Data.8	က	Lp13	Lackp13
6	EF/06 DF	Data.9	က	Lp14	Lackp14
10	EF/06 DF	Data.10	4	L+1L2-17	Lack+1L2-17
7	EF/06 DF	Data.11	4	L+1L2-18	Lack+1L2-18
12	: EF/06 DF	Data.12	4	L+1L2-19	Lack+IL2-19
13	: EF/06 DF	Data.13	2	Lp+1L2-22	Lackp+IL2-22
14	. EF/06 DF	Data.14	2	Lp+1L2-23	Lackp+IL2-23
15	; EF/06 DF	Data.15	2	Lp+1L2-24	Lackp+IL2-24

DrawArray parameters when < color excluded 5 10 20 25 30 50 100

Depiction of overall disturbance versus oligocionality

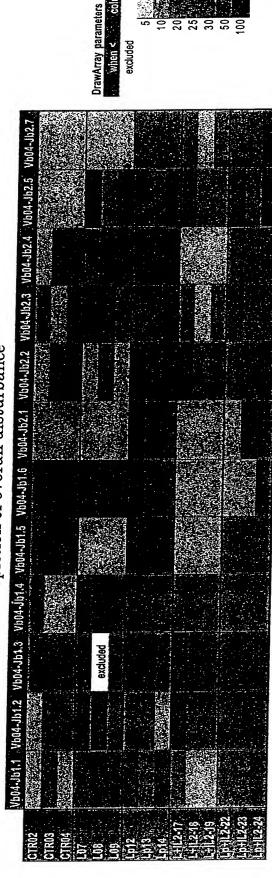
b04-Jb1.4 Vb04-Jb1.5 Vb04-Jb2.1 Vb04-Jb2.3 Vb04-Jb2.3
1.000V

				2000	200	* 200 to 000 *				V N 1 4 - 1 1 2 5	
		9,51	5,71	8.96	5.76	4 33	4 19	40	4 02	90.6	200
		60					-	-	4,04	06'7	08'-
		00',	4,39	13,10	12,42	3,57	6,04	2,08	5,17	3.25	2.75
		8,97	4,93	8,57	13,31	4,60	7.71	6.75	5 23	2.85	2 48
		11,55	6,52	9,23	20.00	3.99	8 61	2 00 2	4 83	3 7 2	2 6
		excluded	7.10	72 6	12 12	0 55	12 22	- 0	2 6	7/14	0°,4
			2 :	- : - :	7 , 12	00,0	00'0	8,03	8,00	3,72	3,51
		//'11	11,78	24,19	19,05	7,24	7,07	5.06	10.42	5.55	3.76
15,8		10,26	11,05	23,35	22,64	14.00	11.38	6.75	0 50	0 44	0.0
3,57	, 26,66	12,26	7,75	13,14	9.44	4.63	4 32	7 82	7 13	500	07'6
unio di		6.25	7 13	18 10	18.54	22.7	5 7		2	t .	00'0
			2 .	2 .	10.0	00'	07'11	76,11	12,6	14,17	6,59
		CB, LT	6,84	7,39	20,34	5,32	7,10	9,57	11.98	10.44	6.03
		11,39	11,07	10,56	17,58	5,86	3.97	5.76	7.22	5 76	2 P P
		10,11	8.41	6.95	10.36	5 14	7.05	7 00	97.0) (
		11.13		} 6	20	r :	?	DD.	04.0	4,23	ck'/
		2 t' -	ה'ם מ'	10,61	7,36	3,14	4,33	11,70	8,65	4.91	6.21
		14,28	8,67	11,02	7,44	8,56	9.60	6.21	9.21	3.58	4 65
0411.2-24 13,0		6.43	71.17	10.51	20.24	7 47	000			3 5	5 1

FIG. 32A

FIG. 32B

Depiction of overall disturbance



10 20 25 30 50 100

excluded

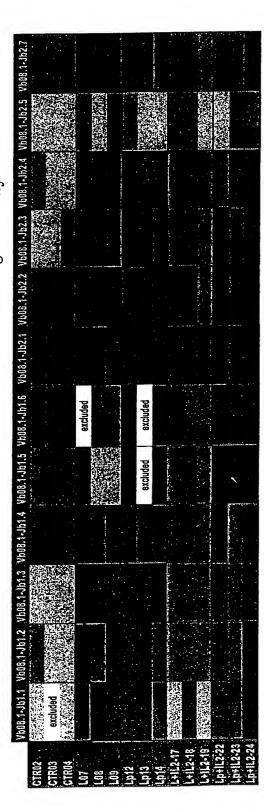
	Vb04-Jb2.7	1.06		9/17	3.48		4,4	3.58		5,83	80	2 1	5,81	900	0,00	6.42		86,4	7 X 8		8,18		71,0	10,35
	VB04-JB2.5	2.96		07'6	2,85	20 46	04'07	7,20	10 71	\$	14.10		5,89	24 47	71,12	13.90	10.1	/0'/	5.71	-	10,44	7.63	70.	26,33
Victor II and	V004-302.4	4.02	7 4 4 7	- 6	5,23	0 54	ָרָ הַיִּילָם היים	17,09	30.6	00'07	24.49		88,81	13.87	2	3,09	4 00	00'-	68 0	3 3	8,64	0 0	07'0	6,13
Viena las s.	V.DU4_302.3	6,10	3.08	00'4	6,75	10.05	2	12,68	7.26	2 :	7,12	30.0	0,43	12.15	2 !	/ 4/	4 50	2	6.23		78'11	6 27		6,81
Whn4, 159.9"	7.000	4,19	909	5 7	Γ',	4.68		(7,75	3.84		/9'17	8 22	77'0	21.47	000	10,35	5.80	3	10,29	000	77'0	9.49		05,4-
(b04-1b2 1		4,33	3.57	00	00'+	2,02		co,4	3.68	14.61	10'/1	5.83		9,64	1 0 7	ō'-	2.05		0°,	200	6,40	6,07	90 3	00'c
/b04-3b1.6	2.70	0,'0	12,42	13 34	5.0	25,67	16 66	00'01	24,45	12.67	0,0	5.70		96'6	2 12	, ,	1,83	90	00.	3.40	5 6	3,44	0 33	6.0
Vb04-3b1,5	8 08	06'0	13,10	8.57	5	1,42	4 50	00'-	3,72	10 41	-	10,92		40,01	2.38	3	3,41	200	6,40	5.14		0,0 40,0	90.5	200
Vb04-Jb1.4	5.71	- :	4,39	4 93		8°,58	10.44	t (76,17	10.46	2 1	7,33	27.0	0,'0	5.22	1 0	δ,43	6.41	Ė	7.87	0 0	/o'n	8.16	<u>:</u>
/b04-Jb1.3	9.51	- G	09'/	8.97		ςς. /	excluded	7 70	04'	14.92		17,83	00 0	60'6	25.21		70'47	21.31		18,69	22.50	00'07	10.52	
1604-Jb1.2	3.35		5,44	5,03	77 66	44'77	30.41	27 42	71,12	5.57		6/' /	4 12	j ;	10,20	8 48	P	6.17		13,/8	13.71	2	14,29	
b04-Jb1.1 V	3,73	90	0,00	4,24	707	17'	10,78	10 01	14141	22,72	4	2,10	17.51		5,46	3 48	2,10	4,53		2,10	6.85	3 ;	14,51	
G vs O	CTR02	PTDA		GIRDA S	14. C.			90		L012	212	2.	1,114		71.71	1411 9.48		11.2-19	2 2 2	77-77 dd	[n+11.2.23		10-117-74	

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	Workbook	Sheet	Group	Nature	Remark
_	EF/04 DF	Data.1	-	CTR02	CTR02
7	EF/05-07-009b DF	Data.3	-	CTR03	CTR03
8	EF/01-009b DF	Data.1	~	CTR04	CTR04
4	EF/02-07 DF	Data.1	2	L07	Lack 07
2	EF/04 DF	Data.5	7	L08	Lack 08
9	EF/05-07-009b DF	Data.5	7	F09	Lack 09
7	EF/04 DF	Data.3	က	Lp12	Lackp12
œ	EF/05-07-009b DF	Data.1	က	Lp13	Lackp13
6	EF/01-009b DF	Data.5	က	Lp14	Lackp14
0	EF/03 DF	Data.1	4	L+IL2-17	Lack+IL2-17
7	EF/03 DF	Data.5	4	L+1L2-18	Lack+IL2-18
12	EF/02-07 DF	Data.3	4	L+IL2-19	Lack+IL2-19
3	EF/01-009b DF	Data.3	2	Lp+IL2-22	Lackp+IL2-22
4	EF/02-07 DF	Data.5	2	Lp+1L2-23	Lackp+IL2-23
5	EF/03 DF	Data.3	2	Lp+1L2-24	Lackp+IL2-24

DrawArray parameters 10 20 25 30 50 excluded when <

Depiction of overall disturbance versus oligocionality



DrawArray parameters
When < color
excluded

0	V608.1-Jb1.1	108.1-Jb1.1 Vb08.1-Jb1.2	Vb08.1-Jb1.3	Vb08.1-Jb1.4	Vb08.1-Jb1.5	Vb08.1-Jb1.6	Vb08.1-Jb2.1	Vb08.1-Jb2.2	Vb08.1-Jb2.3	Vb08.1-Jb2.4 1.	Vb08.1-Jb2.5	Vb08.1-Jb2.7
STR02	2,49	5,75	4,01	21,84	9,47	16,95	18,35	21,10	2,76	5,11	1,30	18,64
83	excluded	3,76	3,41	11,84	7,37	9,78	7,25	10,08	3,13	2,55	2,27	8,25
94	2,49	3,00	3,49	10,16	5,09	10,88	12,22	13,96	5,11	3,01	2,53	10,39
	11,64	13,54	198,47	56,06	15,13	excluded	18,09	41,06	23,02	26,73	6,37	31,15
	60,87	1,74	473,38	18,07	3,40	8,34	13,95	08'49	18,05	20,17	4,46	31,42
	56,20	90'30	107,34	31,84	4,03	8,99	34,03	90'02	6,95	19,73	15,84	32,53
7	108,52	142,53	53,35	35,14	228,92	55,58	42,17	46,99	63,95	70,89	6,87	58,16
	106,04	132,21	102,21	27,16	excluded	excluded	40,76	45,98	59,82	80,47	3,84	58,47
4	24,72	32,72	87,05	14,65	178,64	13,97	30,58	37,48	37,23	79,48	3,74	29,63
2.17	3,89	6,05	99'6	11,06	13,98	15,06	26,99	30,82	24,36	20,31	7,35	10,13
2-18	20,28	8,72	6,73	15,95	17,90	9,50	24,46	31,94	12,75	19,10	6,77	10,93
. 2-19	3,31	5,34	7,32	10,06	5,56	6,42	28,90	12,47	8,55	17,19	4,25	7.48
p+11.2-22	15,70	12,00	21,35	30'26	61,97	15,66	34,82	140,07	82'69	46,88	4,68	16,60
112-23	15,71	06'6	8,18	8,65	58,36	12,06	27,40	46,58	31,48	63,35	6,10	22,45
112-24	42,18	38,47	20,77	23,73	94,32	25,80	36,41	121,37	50,29	97,02	80'8	35,37

FIG. 344

Depiction of overall disturbance

08.1-Jb2.7				
Vb08.1-Jb2.5 Vb08.1-Jb2.7				
Vh08.1-Jh2.4	257		P2	
2 Vb08.1-Jb2.3	N. X. X. K. S. J.			
.,1 Vb08.1-Jb2.				Manager .
1.6 Vb08.1-Jb2		P	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
b1.5 Vb08.1-Jb1.		ed excluded		
-Jb1.4 Vb08.1-J		excluded		
8.1-Jb1.3 Vb08.1-Jb1.4 Vb08.1-Jb1.5 Vb08.1-Jb1.6 Vb08.1-Jb2.1 Vb08.1-Jb2.2	Tanana or at a said			
N A				
/108 1-3611 V508 1-3612 excluded			0.00	
CTR02 CTR03 CTR04 CTR04	L08 L09 Lp12	Lp13 Lp14 L+1L2-17	C+11.2-18 C+11.2-19 C+11.2-22	Lp+11.2.23 Lp+11.2.24

DrawArray parameters

when, color
excluded

10 20
20 20
25 25
30 20
100 100

V608.1-Jb1.1	08.1-Jb1.1 Vb08.1-Jb1.2 Vb08	Vb08.1-Jb1.3	Vb08.1-Jb1.4	Vb08.1-Jb1.5 V	Vb08.1-Jb1.6	Vb08.1-Jh2.1	Vb08.1-Jb2.2	Vb08.1-Jb2.3	Vb08.1-Jb2.4	Vb08.1-Jb2.5 Vb08.1-Jb2.7	Vb08.1-3b2
2,49	5,75	4,01	21,84	9,47	16,95	18,35	21,10	2,76	5,11	1,30	18,64
excluded	3,76	3,41	11,84	7,37	9,78	7,25	10,08	3,13	2,55	2,27	8,25
2,49	3,00	3,49	10,16	5,09	10,88	12,22	13,96	5,11	3,01	2,53	10,39
6,38	9,32	17,25	19,35	13,65	excluded	13,14	15,25	8,76	11.6	14,96	20,52
33,37	5,33	41,13	13,42	3,07	24,22	10,14	25,18	6,87	7,37	10,47	20,69
30,81	34,66	9,33	23,64	3,63	26,11	24,72	26,01	2,65	7,21	37,21	21.43
30,91	38,86	7,12	23,50	26,22	34,24	19,56	24,51	10,96	14,76	10,78	23,97
30,21	36,04	13,64	18,17	excluded	excluded	18,91	23,98	10,26	16,72	6,03	24,10
7,04	8,92	11,61	08'6	20,46	8,61	14,18	19,54	6,38	16,52	5,87	12,21
6,04	2,67	7,85	15,08	19,64	29,55	15,64	24,95	13,35	7,08	8,57	13,69
31,47	8,17	5,47	21,74	25,15	18,64	14,18	25,86	66'9	99'9	7,90	14,77
5,14	5,01	5,95	13,72	7,81	12,60	16,75	10,09	4,69	5,99	4,96	10,10
10,08	10,10	13,58	28,46	12,82	15,46	22,39	35,87	14,54	9,29	3,42	8,33
10,08	8,33	5,20	8,05	12,07	11,90	17,61	11,93	96'9	12,55	4,46	11,27
27 07	32 CF	13.20	22 40	10 61	28.47	22.44	34.00	07 07			12.50

FIG. 34B

DrawArray parameters

Parameters of file to use

when < excluded

2

10 20 25 30 50

Workbook	Sheet Group	Group	Nature	Remark	
EF/04 DF	Data.2	-	CTR02	CTR02	
EF/05-07-009b DF	Data.4	-	CTR03	CTR03	
EF/01-009b DF	Data.2	_	CTR04	CTR04	
EF/02-07 DF	Data.2	2	L07	Lack 07	
EF/04 DF	Data.6	7	L08	Lack 08	
EF/05-07-009b DF	Data.6	2	F09	Lack 09	
EF/04 DF	Data.4	က	Lp12	Lackp12	
EF/05-07-009b DF	Data.2	က	Lp13	Lackp13	
EF/01-009b DF	Data.6	က	Lp14	Lackp14	
EF/03 DF	Data.2	4	L+IL2-17	Lack+1L2-17	
EF/03 DF	Data.6	4	L+IL2-18	Lack+IL2-18	
EF/02-07 DF	Data.4	4	L+IL2-19	Lack+1L2-19	

FIG. 35

Lackp+IL2-22 Lackp+IL2-23 Lackp+IL2-24

Lp+1L2-22 Lp+IL2-23 Lp+IL2-24

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Data.6

Data.4

EF/01-009b DF EF/02-07 DF

EF/02-07 DF EF/03 DF

Data.4

Para	Parameters of file to use DA PWK/R-CD4+						
	Workbook				Remark		
1	DF BB/013	Data.3	1	RJ0a	1		
2	DF BB/013	Data.1	1	RJ0b	2		
3	DF BB/013	Data.2	1	RJ0c	3		
4	DF BB/014	Data.1	1	RJ0d	4		
5	DF BB/017	Data.1	1	RJ0e	5		
6	DF BB/017	Data.2	1	RJ0f	6		
7	DF BB/005	Data.1	2	R7sa	7		
8	DF BB/005	Data.2	2	R7sb	8		
9	DF BB/005	Data.3	2	R7sc	9		
10	DF BB/006	Data.2	2	R7sd	10		
11	DF BB/006	Data.2	2	R7se	11		
12	DF BB/006	Data.3	2	R7sf	12		
13	DF BB/023	Data.1	3	R20sa	13		
14	DF BB/023	Data.2	3	R20sb	1'4		
15	DF BB/023	Data.3	3	R20sc	15		
16	DF BB/024	Data.1	3	R20sd	16		
17	DF BB/024	Data.2	3	R20se	17		
18	DF BB/024	Data.3	3	R20sf	18		
19	DF BB/031	Data.1	4	R27sa	19		
20	DF BB/031	Data.2	4	R27sb	20		
21	DF BB/031	Data.3	4	R27sc	21		
22	DF BB/032	Data.1	4	R27sd	22		
23	DF BB/032	Data.2	4	R27se	23		
24	DF BB/032	Data.3	4	R27sf	24		

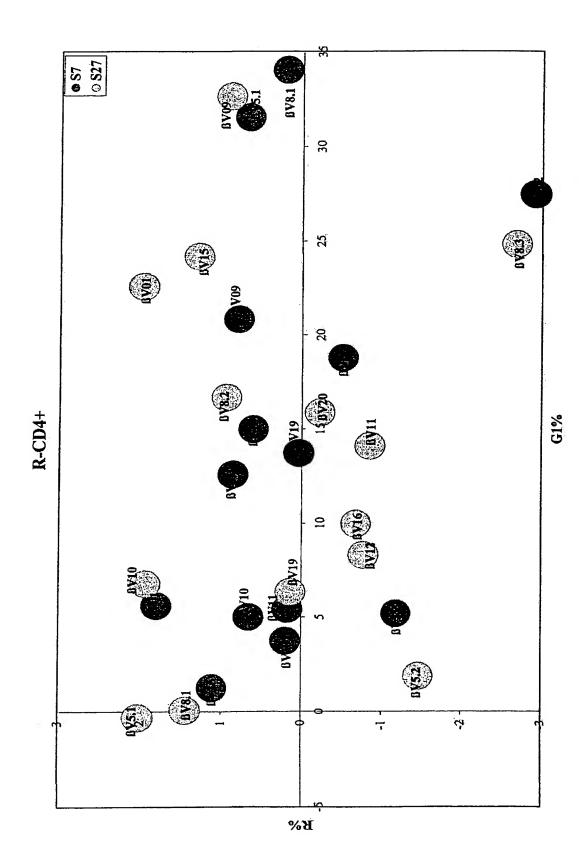


FIG. 37

OBLON ET AL (703) 413-3000 DOCKET # 263996USOX PCT INV. Alexis COLLETTE et al. USSN 10/519,950 Reply to O.A. DATED NOVEMBER 1, 2007 REPLACEMENT SHEET(S)

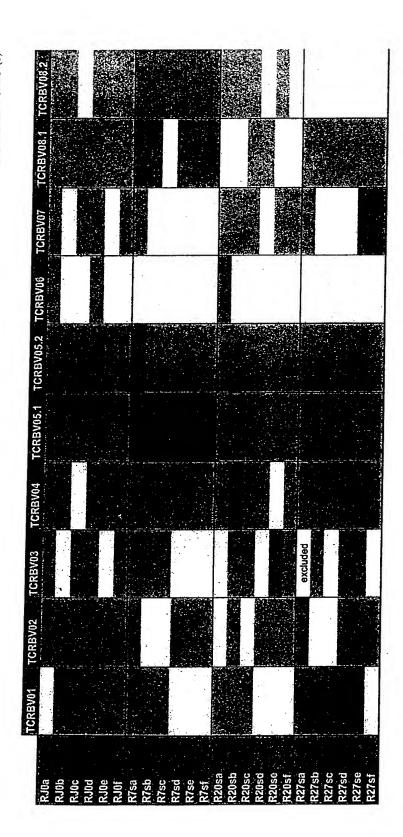




FIG. 384

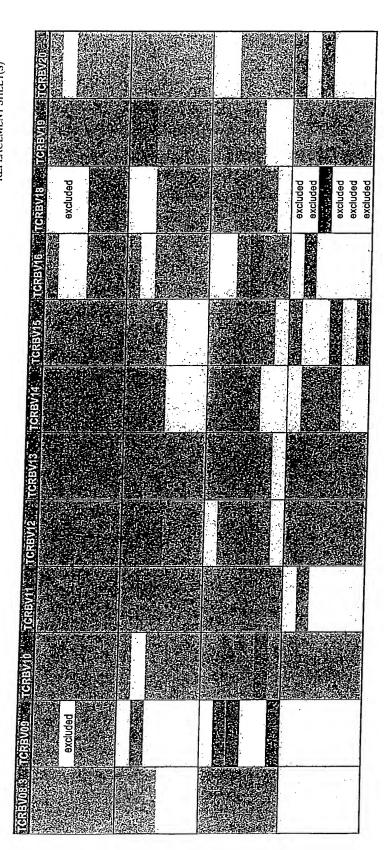




FIG. 38B

Score d'Oligoclona	lité βV : PWK/Rate-CD4 ⁺
7 semaines post-infection	27 semaines post-infection
βV01 (9-10-11 aa)	βV5.2 (9 aa)
βV09 (10-11 aa)	βV8.3 (8-9-10 aa)
βV16 (10 aa)	βV09 (7-9-10-12-13 aa)
βV19 (12 aa)	βV10 (9 aa)
	βV11 (9-10-11 aa)

FIG.39

Score d'Oligociona	lité βV : PWK/GG-CD4 ⁺
7 semaines post-infection	27 semaines post-infection
βV01 (9-10-11 aa)	βV5.2 (8-9 aa)
βV03 (10 aa)	βV10 (9 aa)
βV8.1 (10 aa)	βV14 (10 aa)
βV8.2 (9-10-11 aa)	βV15 (9-10-11 aa)
βV09 (9-10-11 aa)	
βV16 (10 aa)	
βV19 (10-12 aa)	· ·

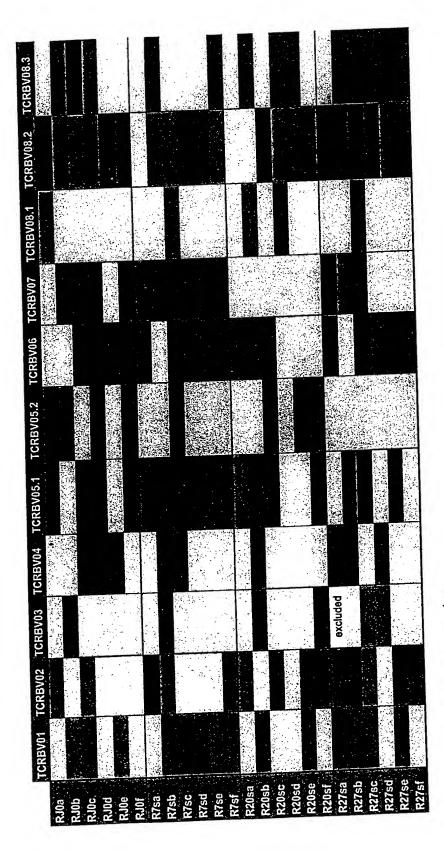
FIG.44

Score d'Oligociona	lité βV : PWK/GG-CD8 ⁺
7 semaines post-infection	27 semaines post-infection
βV12 (9-10 aa)	βV03 (10 aa)
βV15 (8-9 aa)	βV04 (11 aa)

FIG. 49

Score d'Oligoclona	lité βV : PWK/Rate-CD8 ⁺
7 semaines post-infection	27 semaines post-infection
βV01 (10-11-12 aa)	βV03 (10 aa)
	βV13 (11 aa)

Reply to O.A. DATED NOVEMBER 1, 2007 REPLACEMENT SHEET(S) OBLON ET AL (703) 413-3000 DOCKET # 263996US0X PCT INV. Alexis COLLETTE et al. USSN 10/519,950



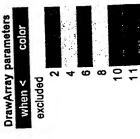
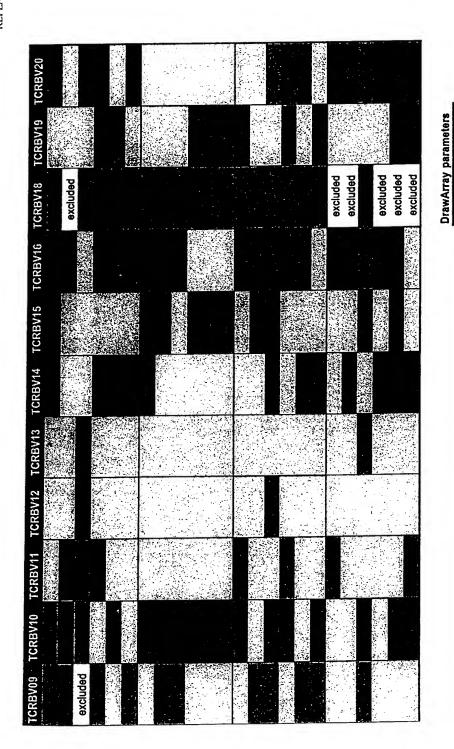


FIG. 404



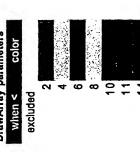


FIG. 40B

Para	meters of file to use	DA F	WK/GG-	CD4+	
	Workbook	Sheet	Sheet Group		Remark
1	DF BB/009	Data.2	1	GGJ0b	1
2	DF BB/009	Data.3	1	GGJ0c	2
3	DF BB/009	Data.1	1	GGJ0a	3
4	DF BB/010	Data.1	1	GGJ0d	4
5	DF BB/010	Data.2	1	GGJ0e	5
6	DF BB/010	Data.3	1	GGJ0f	6
7	DF BB/002	Data.1	2	GG7sa	7
8	DF BB/002	Data.2	2	GG7sb	8
9	DF BB/002	Data.3	2	GG7sc	9
10	DF BB/003	Data.1	2	GG7sd	10
11	DF BB/003	Data.2	2	GG7se	11
12	DF BB/007	Data.3	2 .	GG7sf	12
13	DF BB/019	Data.1	3	GG20sa	13
14	DF BB/019	Data.2	3	GG20sb	14
15	DF BB/019	Data.3	3	GG20sc	15
16	DF BB/020	Data.1	3	GG20sd	16
17	DF BB/020	Data.2	3	GG20se	17
18	DF BB/020	Data.3	. 3	GG20sf	18
19	DF BB/027	Data.1	4	GG27sa	. 19
20	DF BB/027	Data.2	4	GG27sb	20
21	DF BB/027	Data.3	4	GG27sc	21
22	DF BB/028	Data.1	4	GG27sd	22
23	DF BB/028	Data.2	4	GG27se	23
24	DF BB/028	Data.3	4	GG27sf	24

FIG. 41

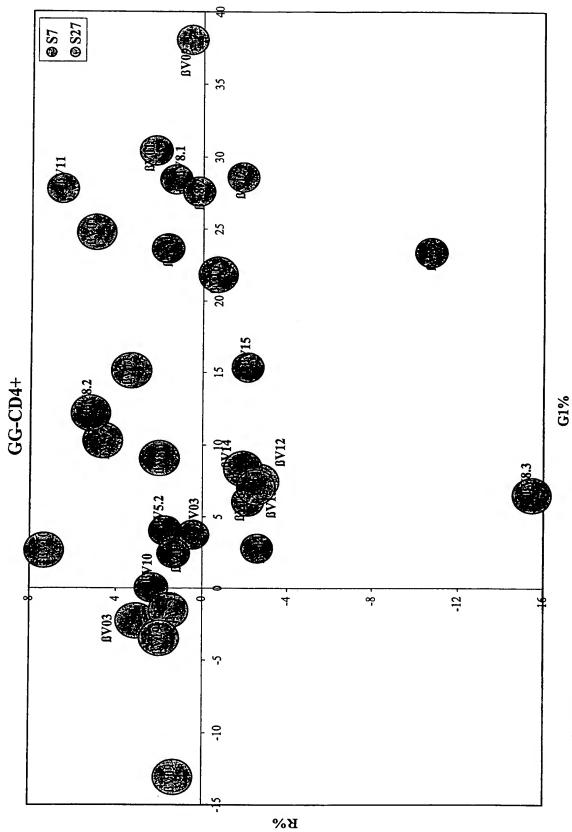
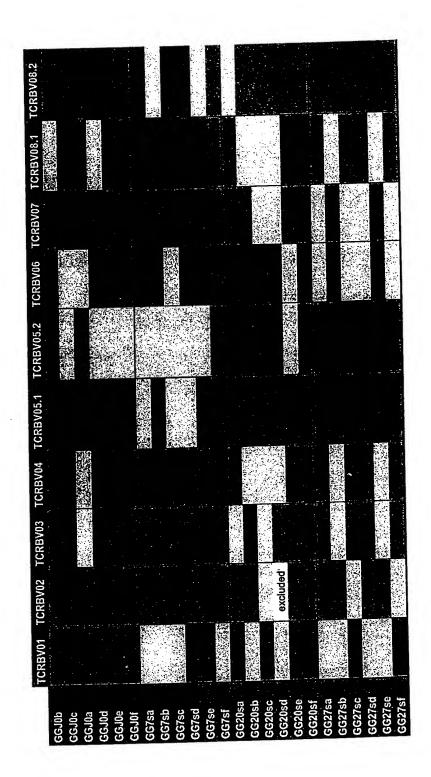


FIG. 4



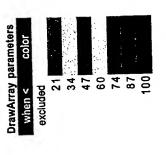
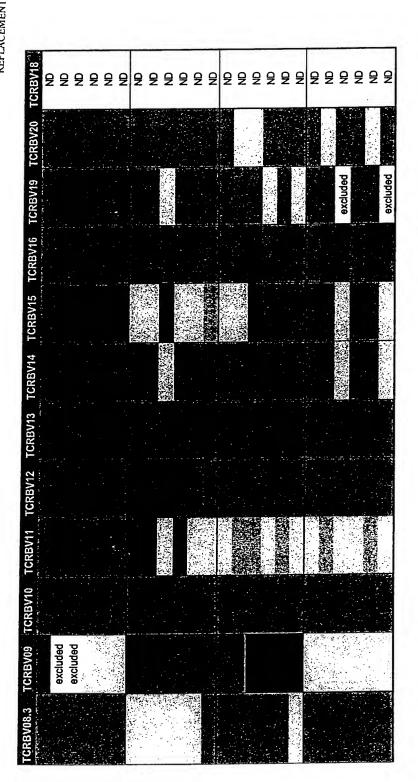


FIG. 43A



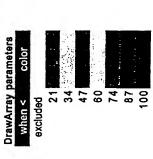


FIG. 43B

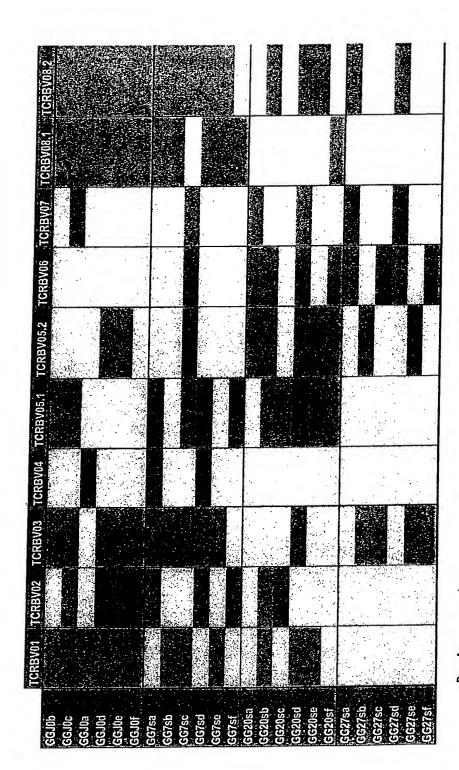
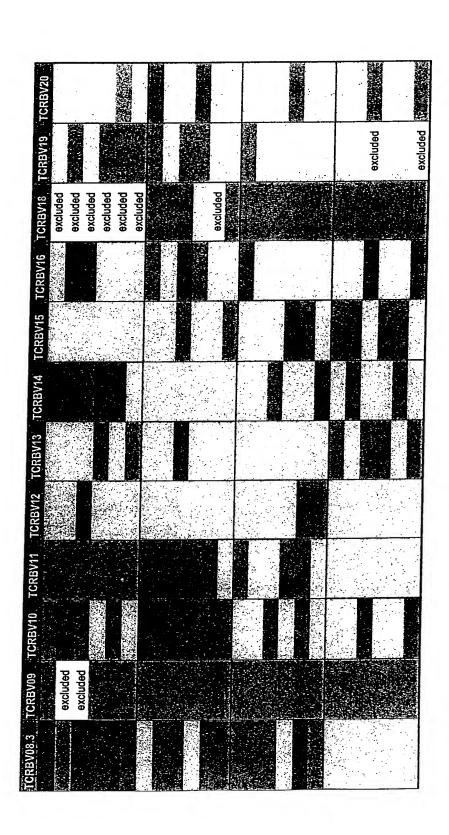


FIG. 45A





OrawArray parameters

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10:
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18
20
24

FIG. 45B

Para	meters of file to use		DA PW	K/GG-CD8-	+
	Workbook	Sheet	Group	Nature	Remark
1	DF BB/001	Data.2	2	GG7sb	7
2	DF BB/001	Data.1	2	GG7sa	8
3	DF BB/001	Data.3	2	GG7sc	9
4	DF BB/004	Data.1	2	GG7sd	10
5	DF BB/004	Data.2	2	GG7se	11
6	DF BB/004	Data.3	2	GG7sf	12
7	DF BB/011	Data.1	1	GGJOa	1
8	DF BB/011	Data.2	1	GGJOb	2
9	DF BB/011	Data.3	1	GGJOc	3
10	DF BB/012	Data.1	1	GGJOd	4
11	DF BB/012	Data.2	1	GGJOe	5
12	DF BB/012	Data.3	1	GGJOf	6
13	DF BB/021	Data.1	3	GG20sa	13
14	DF BB/021	Data.2	3	GG20sb	14
15	DF BB/021	Data.3	3	GG20sc	15
16	DF BB/022	Data.1	3	GG20sd	16
17	DF BB/022	Data.2	3	GG20se	17
18	DF BB/022	Data.3	3	GG20sf	18
19	DF BB/029	Data.1	4	GG27sa	19
20	DF BB/029	Data.2	4	GG27sb	20
21	DF BB/029	Data.3	4	GG27sc	21
22	DF BB/030	Data.1	4	GG27sd	22
23	DF BB/030	Data.2	4	GG27se	23
24	DF BB/030	Data.3	4	GG27sf	24

FIG. 46

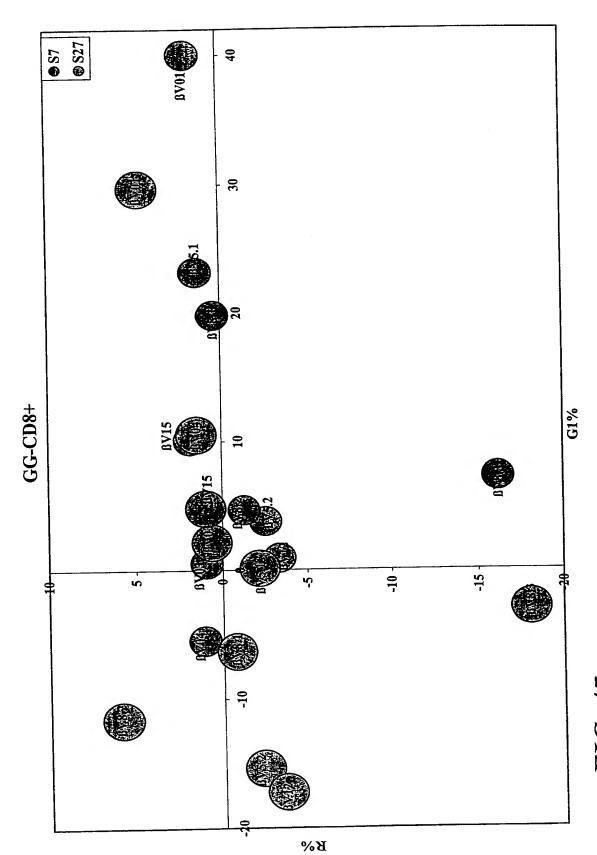


FIG. 47

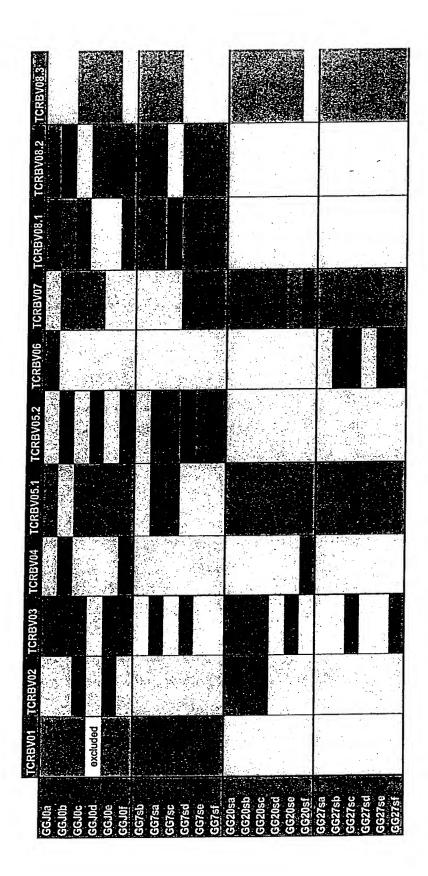


FIG. 48A



0			
rcreV2			
TCRBV19 excluded excluded excluded			
TCRBV18 Excluded excluded excluded	excinded		excluded exc
TCRBV16			
TCRBV15		en production & AND	
TCRBV14			
TCRBV13			
TCRBV12			
TCRBV11 excluded	excinded		
TCRBV10			
	8 8 8 8 8 8	999999	999999

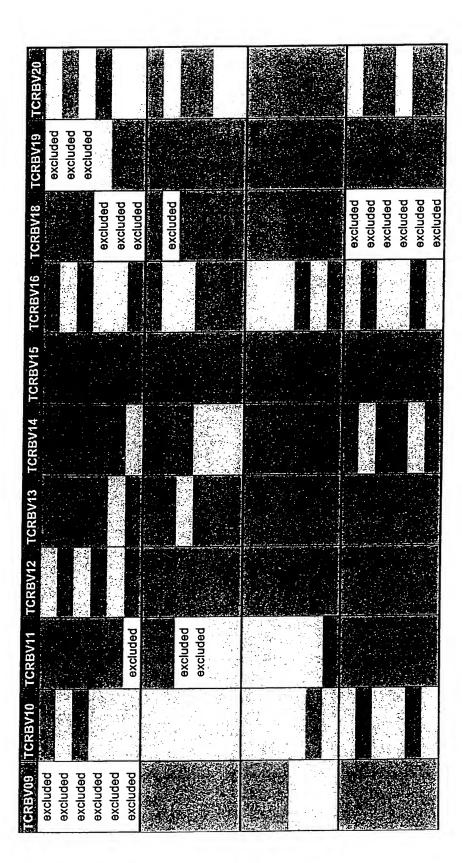
IG. 48B

66J0a 66J0b 66J0c 66J0d	Marie and the second se	C 10 20 20 20 20 20 20 20 20 20 20 20 20 20	TORRVOR 2 TO	TOPPING TO				Andread and the state of the st
GGJ0d		秦 集	1.2		I CKBVU/	ICKBV08.1	ICRBV08.2	TCRBV08.3
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GG7sc								
GG7se								
GG7sf GG20sa								
.20sb								
GG20sd								
GG20se GG20sf							No. of the second second second	
.G27sa								
6627sb 6627sc								
GG27sd GG27se								
GG27sf								

FIG. 504



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excluded



DrawArray parameters
when < color
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32

FIG. 50B

Parai	meters of file to use	DA	PWK/R-C	D8+	
	Workbook	Sheet	Group	Nature	Remark
1	DF BB/017	Data.3	1	RJOa	1
2	DF BB/018	Data.1	1	RJOb	2
3	DF BB/015	Data.3	1	RJOc	3
4	DF BB/016	Data.1	1	RJOd	4
5	DF BB/016	Data.2	1	RJOe	5
6	DF BB/016	Data.3	1	RJOf	6
7	DF BB/007	Data.1	2	R7sa	7
8	DF BB/007	Data.2	. 2	R7sb	8
9	DF BB/008	Data.1	2	R7sc	9
10	DF BB/008	Data.2	2	R7sd	10
11	DF BB/008	Data.3	2	R7se	11
12	DF BB/018	Data.2	2	R7sf	12
13	DF BB/025	Data.1	3	R20sa	13
14	DF BB/025	Data.2	3	R20sb	14
15	DF BB/025	Data.3	3	R20sc	15
16	DF BB/026	Data.1	3	R20sd	16
17	DF BB/026	Data.2	3	R20se	17
18	DF BB/026	Data.3	3	R20sf	18
19	DF BB/033	Data.1	4	R27sa	19
20	DF BB/033	Data.2	4	R27sb	. 20
21	DF BB/033	Data.3	4	R27sc	21
22	DF BB/034	Data.1	4	R27sd	22
23	DF BB/034	Data.2	4	R27se	23
24	DF BB/034	Data.3	4	R27sf	24

FIG. 51

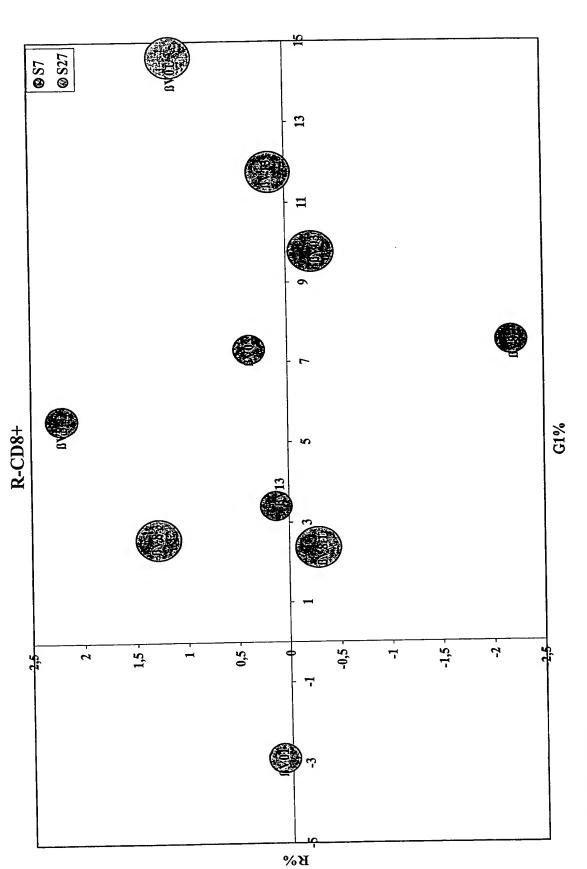


FIG. 52

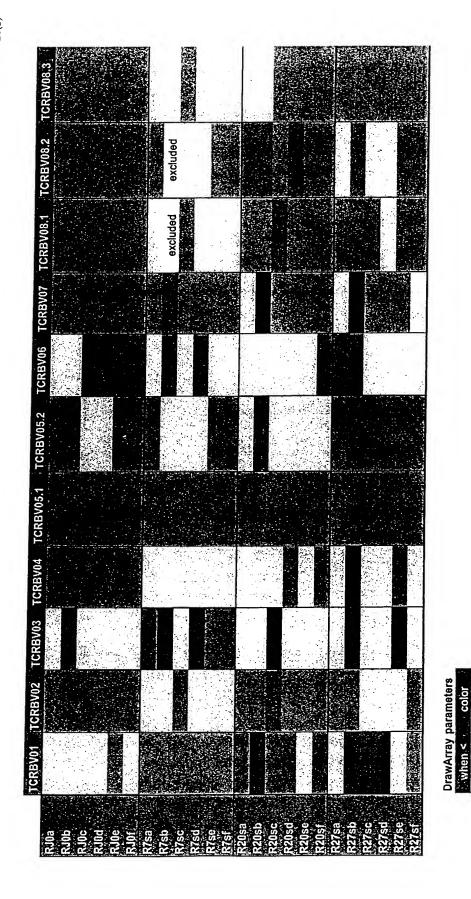
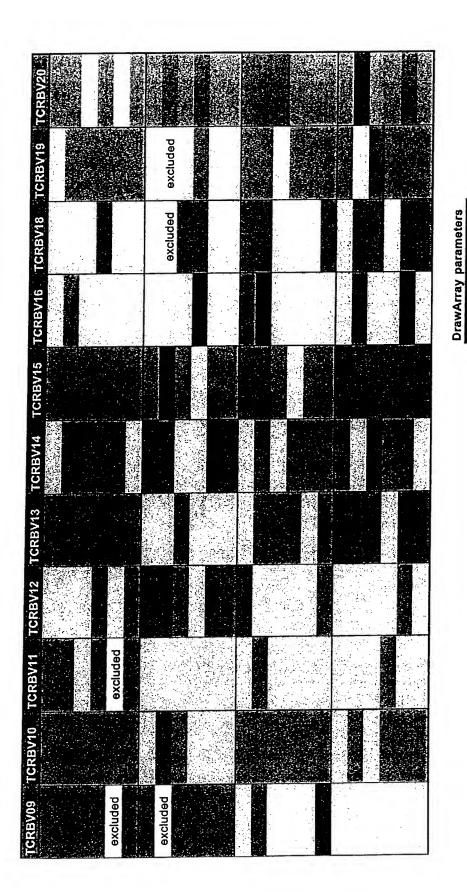


FIG. 53A

20 26 32 38 44

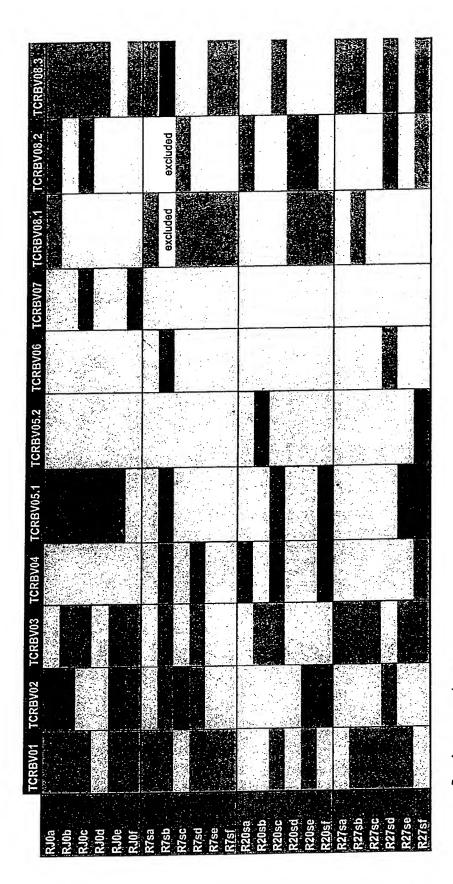
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FIG. 53B

OBLON ET AL (703) 413-3000 DOCKET # 263996US0X PCT INV. Alexis COLLETTE et al. USSN 10/519,550 Reply to O.A. DATED NOVEMBER 1, 2007 REPLACEMENT SHEET(S)



DrawArray parameters color 10 13 17 20 24 when < excluded

FIG. 55A

9 TCRBVZ0	Pi			
TCRBV19	pepnioxe			
TCRBV18	excluded		- W.	
ICKBV16			:	
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FIG. 55B

Pai	a	me	ters	of	file	to	use

Par	ameters of file to use				
	Workbook	Sheet	Group	Nature	Remarks
1	EF/043 DF	Data.2	1	TN01 spleen	
2	EF/022 DF	Data.1	1	TNO2 spleen	
3	EF/018 DF	Data.1	1	TNO3 spleen	
4	EF/038 DF	Data.3	1	TN04 spleen	1
5	EF/039 DF	Data.1	2	J3-01 spleen	0
6	EF/016 DF	Data.1	2	J3-02 spleen	
7	EF/034 DF	Data.1	2	J3-03 spleen	
8	EF/046 DF	Data.2	2	J3-04 spleen	
9	EF/023 DF	Data.2	2	J3-05 spleen	
10	EF/029 DF	Data.3	3	J4-01 spleen	1
11	EF/026 DF	Data.1	3	J4-02 spleen	İ
12	EF/029 DF	Data.1	3	J4-03 spleen	1
13	EF/036 DF	Data.2	3	J4-04 spleen	
14	EF/019 DF	Data.2	3	J4-06 spleen	
15	EF/038 DF	Data.1	3	J4-07 spleen	1
16	EF/045 DF	Data.1	3	J4-08 spieen	
17	EF/042 DF	Data.3	3	J4-09 spieen	Į.
18	EF/042 DF	Data.1	3	J4-10 spleen	1
19	EF/016 DF	Data.3	4	J5-01 spleen	}
20	EF/026 DF	Data.3	4	J5-02 spleen	ļ
21	EF/031 DF	Data.1	4	J5-03 spieen	1
22	EF/021 DF	Data.1	4	J5-04 spleen	Į
23	EF/021 DF	Data.3	4	J5-05 spleen	!
24	EF/028 DF	Data.2	4	J5-06 spleen	
25	EF/043 DF	Data.3	4	J5-07 spleen	
26	EF/041 DF	Data.2	4	J5-08 spleen	
27	EF/012 DF	Data.3	4	J5-09 spleen	
28	EF/046 DF	Data.3	4	J5-10 spleen	
29	EF/024 DF	Data.1	5	J6-01 spleen	
30	EF/017 DF	Data.1	5	J6-02 spleen	
31	EF/025 DF	Data.1	5	J6-03 spleen	
32	EF/040 DF	Data.1	5	J6-04 spleen	
33	EF/014 DF	Data.2	5	J6-05 spleen	Ì
34	EF/020 DF	Data.1	5	J6-06 spleen	
35	EF/033 DF	Data.1	5	J6-07 spleen	
36	EF/030 DF	Data.1	5	J6-08 spleen	
37	EF/013 DF	Data.2	5	J6-09 spleen	
38	EF/027 DF	Data.1	5	J6-10 spleen	
39	EF/031 DF	Data.3	6	TSP01 CM+spleen	
40	EF/032 DF	Data.1	6	TSP06 CM+spleen	
41	EF/034 DF	Data 3		TSP09 CM+spleen	
43	EF/010 DF	Data.2	6	TSP10 CM+++ spleen	
44	EF/044 DF	Data.1	6 6	TSP18 CM+++ spleen	
45	EF/037 DF EF/011 DF	Data.1 Data.2		TSP19 CM+++ spleen TSP20 CM+++ spleen	1
+ » [EF/VII DF	Data.Z	0	13FZU CIVITTT SPIEEII	I

46	EF/022 DF	Data.2	7	TN02 PBL
47	EF/018 DF	Data.2	7	TN03 PBL
48	EF/039 DF	Data.2	8	J3-01 PBL
49	EF/016 DF	Data.2	8	J3-02 PBL
50	EF/034 DF	Data.2	8	J3-03 PBL
51	EF/039 DF	Data.3	8	J3-04 PBL
52	EF/023 DF	Data.3	8	J3-05 PBL
53	EF/031 DF	Data.2	9	J4-01 PBL
54	EF/026 DF	Data.2	9	J4-02 PBL
5 5	EF/029 DF	Data.2	9	J4-03 PBL
56	EF/036 DF	Data.3	9	J4-04 PBL
57	EF/012 DF	Data.1	9	J4-05 PBL
58	EF/019 DF	Data.3	9	J4-06 PBL
59	EF/038 DF	Data.2	9	J4-07 PBL
60	EF/045 DF	Data.2	9	J4-08 PBL
61	EF/043 DF	Data.1	9	J4-09 PBL
62	EF/042 DF	Data.2	9	J4-10 PBL
63	EF/019 DF	Data.1	10	J5-01 PBL
64	EF/028 DF	Data.1	10	J5-02 PBL
65	EF/035 DF	Data.1	10	J5-03 PBL
66	EF/021 DF	Data.2	10	J5-04 PBL
67	EF/023 DF	Data.1	10	J5-05 PBL
68	EF/028 DF	Data.3	10	J5-06 PBL
69	EF/041 DF	Data.3	10	J5-08 PBL
70	EF/012 DF	Data.2	10	J5-09 PBL
71	EF/041 DF	Data.1	10	J5-10 PBL
72	EF/024 DF	Data.2	11	J6-01 PBL
73	EF/017 DF	Data.2	11	J6-02 PBL
74	EF/025 DF	Data.2	11	J6-03 PBL
75	EF/040 DF	Data.2	11	J6-04 PBL
76	EF/014 DF	Data.1	11	J6-05 PBL
77	EF/020 DF	Data.2	11	J6-06 PBL
78	EF/033 DF	Data.2	11	J6-07 PBL
79	EF/030 DF	Data.2	11	J6-08 PBL
80	EF/013 DF	Data.1	11	J6-09 PBL
81	EF/027 DF	Data.2	11	J6-10 PBL
82	EF/032 DF	Data.2	12	TSP06 CM+PBL
83	EF/035 DF	Data.3	12	TSP09 CM+PBL
84	EF/010 DF	Data.1	12	TSP10 CM+++ PBL
85	EF/044 DF	Data.2		TSP18 CM+++ PBL
86	EF/037 DF	Data.2		TSP19 CM+++ PBL
87	EF/011 DF	Data.1	12	TSP20 CM+++ PBL

Plasmodium berghei infection of B10D2 mice

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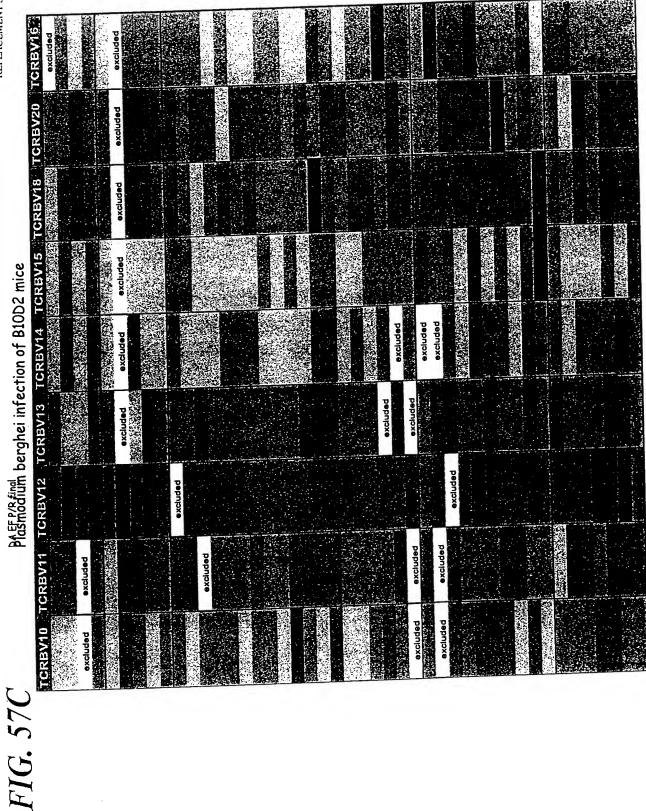
FIG. 57.4

Plasmodium berghei infection of B10D2 mice

	pepripxe	pepnipxe	22-29		pepripxe
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FIG. 57B

USSN 10/519,950 Reply to O.A. DATED NOVEMBER 1, 2007 REPLACEMENT SHEET(S) **OBLON ET AL (703) 413-3000** DOCKET # 263996US0X PCT INV. Alexis COLLETTE et al.



Plasmodium berghei infection of B10D2 mice

	Paprioxe			excluded
				excinded
pepnjoxe	excluded excluded		excluded	excluded
		excluded excluded	pepnjaxe	excluded
	pepniaxe	pennoxe pennoxe		pepnjaxe
	excluded		pepnjoxe	peprioxe
			pepnjoxe	pepnipxe
	pepnioxe	peprioxe		excinded a
	peprioxe peprioxe			• Kalud

FIG. 57D

FIG. 58A

3 TCRBV09 excluded excluded excluded excluded	pepniaxe pepniaxe	peprojave	excluded	excluded excluded
TCRBV08.3				
TCRBV07 TCRBV08.1				
TCRBV05.2 TCRBV06 TC		pepriore		
TCRBV05.1	excluded excluded	pepringed percentage p		peprinxe 33
TCRBV03 TCRBV04 excluded excluded excluded excluded				
TCRBV01 TCRBV02				
by oligoscore TN01 spleen TN02 spleen TN03 spleen TN04 spleen J3-01 spleen J3-02 spleen J3-03 spleen J3-04 spleen	14-03 spleen 14-02 spleen 14-03 spleen 14-04 spleen 14-08 spleen 14-09 spleen	15.01 spleen 15.02 spleen 15.03 spleen 15.04 spleen 15.05 spleen 15.07 spleen 15.08 spleen	ds ds ds ds	J6-07 spleen J6-08 spleen J6-09 spleen J6-10 spleen TSP01 CM+spleen TSP05 CM+spleen

JBLON ET AL (703) 413-3000

XOCKET # 263996US0X PCT

NV. Alexis COLLETTE et al.

JSSN 10/519,950

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TSP10 CM+++ spleen TSP10 CM+++ spleen TSP20 CM+++ spleen TN02 PBL TN03 PBL 33-01 PBL 13-02 PBL 13-02 PBL	13-05 PBL 14-01 PBL 14-02 PBL 14-03 PBL 14-05 PBL 14-08 PBL 14-08 PBL 14-09 PBL 15-01 PBL 15-01 PBL	15:05 PBL 15:05 PBL 15:05 PBL 15:09 PBL 16:07 PBL 16:02 PBL 16:04 PBL	J6-05 PBL J6-06 PBL J6-07 PBL J6-09 PBL J6-10 PBL J6-10 PBL TSP0 CM+PBL TSP10 CM++PBL TSP10 CM++PBL TSP10 CM++PBL TSP10 CM++PBL TSP10 CM++PBL

FIG. 58C

TCRBV16	excinded	excinded					7			
TODDAYOU		pepnioxe			1					
	ICKBVIO	pepnjoxe					200		and the second	
אווור בייוור ביי	TCRBV15	pepnjoxe								
	TCRBV14 T	excinded			To the second		pepnioxe	pepnioxe pepnioxe		
berghei int	TCRBV13 T	pepnioxe					excluded			
asmodium	TCRBV12		pepnjoxe					excluded		
乙	3V/11		7.150	excinded				excluded		
&C	TCREV10 TCR							excluded		

Plasmodium berghei infection of B10D2 mice

E CONTROL CONTROL					excluded				pepnjaxe		
									pepnipxe		
THICK THE PARTY OF		pepnjoxe	pepnioxe	pepnioxe			pepnipxe		pepnjaxe		
MI STOOL IIICE					P	ě ě	excluded	pepnjoxe	pepnipxe p		
	Jones				pepnioxe pe	peprioxe	p				
	alus out of rang						excluded		pepulpae pepulped	30.05	
					excluded	excluded	Pepnioxe		pepnjoxe pepnjoxe		
					excluded ex				on of range ex		

FIG. 58D

FIG. 59A

Tableau ANOVA pour TCRBV01

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	487,099	44,282	,963	,4876	10,593	,481
Résidu	70	3218,716	45,982				

Tableau de moyennes pour TCRBV01

Effet: Groupe

Ener. G	nouhe			
	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	5	12,655	6,248	2,794
CM+S	7	11,770	8,471	3,202
J3P	5	5,210	1,421	,636
J3S	4	5,197	1,317	,659
J4P	9	5,749	2,066	,689
J4S	9	8,000	8,378	2,793
J5P	9	7,802	9,117	3,039
J5S	10	6,450	1,743	,551
J6P	8	10,107	9,711	3,433
J6S	10	10,615	8,486	2,683
TNP	2	4,928	1,360	,961
TNS	4	5,823	2,616	1,308

FIG. 59B

Graphique des Interactions pour TCRBV01

Effet: Groupe

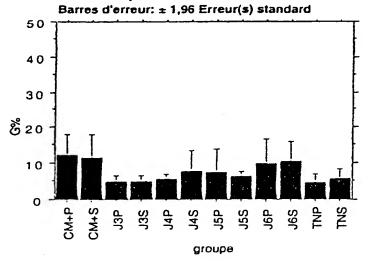


FIG.59C

Test PLSD de Fisher pour TCRBV01 Effet : Groupe Niveau de significativité : 5 %

Niveau de significativité : 5 %							
	Diff. moy.		Valeur p				
CM+P, CM+S							
CM+P, J3P	7,445						
CM+P, J3S	7,458						
CM+P, J4P	6,906		.0721				
CM+P, J4S	4,655		.2225				
CM+P, J5P	4,852	7,543	.2037				
CM+P, J5S	6,205	7,408	.0993				
CM+P, J6P	2,548	7,710	,5120				
CM+P, J6S	2,040	7,408	,5846				
CM+P, TNP	7,727	11,315	,1776				
CM+P, TNS	6,832	9,072	.1376				
CM+S, J3P	6,560	7,919	,1030				
CM+S, J3S	6,573	8,477	,1265				
CM+S, J4P CM+S, J4S	6,021 3,770	6,816	.2738				
CM+S, J45	3,967	6,816	.2496				
CM+S, J5S	5,320	6,665	.1159				
CM+S, J6P	1,662	6,999	.6372				
CM+S, J6S	1,155	6,665	,7308				
CM+S, TNP	6,842	10,844	,2124				
CM+S, TNS	5,947	8,477	,1662				
J3P, J3S	,013	9,072	,9977				
J3P, J4P	-,539	7,543	,8870				
J3P, J4S	-2,790	7,543	,4632				
J3P, J5P	-2,593	7,543	,4953				
J3P, J5S	-1,240	7,408	,7395				
J3P, J6P	-4,897	7,710	,2094				
J3P, J6S	-5,405	7,408	,1500				
J3P, TNP	,282	11,315	,9605				
Jap, TNS	-,613	9,072	,8932				
J3S, J4P	-,552	8,127	,8926				
J3S, J4S	-2,803	8,127	,4938				
J3S, J5P	-2,605	8,127	,5247				
J3S, J5S	-1,253	8,001	,7557				
J3S, J6P	-4,910	8,282	,2410				
J3S, J6S J3S, TNP	-5,418	8,001	,1812 ,9636				
J35, TNS	,269	9,563	.8965				
J4P, J4S	-,626 -2,251	6,375	.4837				
J4P. J5P	-2,053	6,375	,5228				
J4P, J5S	-,701	6,214	,8227				
J4P, J6P	-4,358	6,572	,1902				
J4P. J6S	-4,866	6,214	,1228				
J4P, TNP	,821	10,572	.8773				
J4P, TNS	074	8,127	,9856				
J4S, J5P	,198	6,375	.9509				
J4S, J5S	1,550	6,214	,6204				
J4S, J6P	-2,107	6,572	,5246				
J4S, J6S	-2,615	6,214	,4041				
J4S, TNP	3,072	10,572	.5641				
J4S, TNS	2,177	8,127	,5948				
J5P, J5S	1,352	6,214	.6656				
J5P, J6P	-2,305	6,572	,4865				
J5P, J6S	-2,813	6,214	,3697				
J5P, TNP	2,874	10,572	,5894				
J5P, TNS	1,980	8,127	,6286				
J5S, J6P	-3,657	6,415	,2594				
J5S, J6S	-4,185	6,048	,1740				
JSS, TNP	1,522	10,476	,7729				
JSS, TNS	,627	8,001	.8762				
J6P, J6S J6P, TNP	-,508	6,415	.8750				
J6P, TNS	5,179	10,692	,3373 ,3057				
J6S, TNP	4,284 5,687	8,282					
J6S, TNS	5,687 4,792	8 001	2363				
TNP, TNS		11,712	.2363 ,8793				
, 1113	-,895		,0, 33				

FIG. 59D

FIG.59E

Tableau ANOVA pour TCRBV02

I a Dicau		Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	2669,319	242,665	7,138	<.0001	78,523	1,000
Résidu	72	2447,564	33,994				

Tableau de moyennes pour TCRBV02

Effet: Groupe

Effet : Groupe								
Nombre	Moyenne	Dév. Std.	Err. Std.					
6	24,950	9,665	3,946					
7	13,764	4,939	1,867					
5	5,477	,881	,394					
4	4,920	1,670	,835					
9	5,462	3,842	1,281					
9	4,352	2,535	,845					
9	6,816	3,816	1,272					
10	8,401	4,782	1,512					
10	14,921	11,227	3,550					
10	11,333	4,562	1,443					
2	5,715	2,955	2,089					
3	2,963	,461	,266					
	Nombre 6 7 5 4 9 9 10 10 2	Nombre Moyenne 6 24,950 7 13,764 5 5,477 4 4,920 9 5,462 9 4,352 9 6,816 10 8,401 10 14,921 10 11,333 2 5,715	Nombre Moyenne Dév. Std. 6 24,950 9,665 7 13,764 4,939 5 5,477 ,881 4 4,920 1,670 9 5,462 3,842 9 4,352 2,535 9 6,816 3,816 10 8,401 4,782 10 14,921 11,227 10 11,333 4,562 2 5,715 2,955					

FIG. 59F



Effet: Groupe

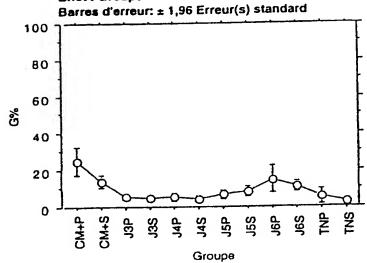


FIG. 59G

Test PLSD de Fisher pour TCRBV02 Effet : Groupe Niveau de significativité : 5 %

Niveau de signifi				
_			/aleur p	
CM+P, CM+S	11,186	6,466	,0009	
CM+P, J3P	19,473	7,038	<,0001	
CM+P, J3S	20,031	7,502		•
CM+P, J4P	19,489	6,126		3
CM+P, J4S	20,598	6,126		3
CM+P, J5P	18,135	6,126	<,0001	3
CM+P, J5S	16,550	6,002	<,0001	3
CM+P, J6P	10,029	6,002	,0014	3
CM+P, J6S	13,618	8,002	<,0001	5
CM+P, TNP	19,235	9,490	.0001	5
CM+P, TNS	21,987	8,219	<.0001	5
CM+S, J3P	8,287	6,806	.0177	S
CM+S, J3S	8,845	7,285	,0180	S
CM+S, J4P	8,303	5,857	.0061	S
CM+S, J4S	9,412	5,857	,0020	S
CM+S, J5P	6,949	5,857	,0207	s
CM+S, J5S	5,364	5,728	,0660	
CM+S, J6P	-1,157	5,728	,6884	
CM+S, J6S	2,432	5,728	,4002	
CM+S, TNP	8,049	9,319	.0894	
CM+S, TNS	10,801	8,020	.0090	S
J3P, J3S	.558	7,797	.8870	
J3P, J4P	,016	6,483	,9962	
J3P, J4S	1,125	6,483	.7304	
J3P, J5P	-1,339	6,483	,6818	
J3P, J5S	-2,923	6.366	,3630	
J3P, J6P	-9,444	6,366	.0042	s
J3P, J6S	-5,855	6,366	,0709	
J3P, TNP	-,238	9,724	,9612	
J3P, TNS	2,514	8,468	,5568	
J3S, J4P	-,542	6,984	,8775	
J3S, J4S	,567	6,984	.8718	
J3S, J5P	-1,896	6,984	.5900	
J3S, J5S	-3,481	6,876	,3163	
J3S, J6P	-10,002	6,876	,0049	s
J3S, J6S	-6,413	6,876	.0671	
J3S, TNP	-,796	10,066	.8752	
J3S, TNS	1,956	8,877	,6618	
J4P, J4S	1,109	5,479	,6877	
J4P, J5P	-1,354	5,479	.8237	
J4P, J5S	-2,939	5,340	,2762	
J4P. J6P	-9,460	5,340	,0007	s
J4P, J6S	-5,871	5,340	,0316	S
J4P, TNP	-,254	9,086	.9557	
J4P, TNS	2,498	7,749	,5225	
J4S, J5P	-2,463	5,479	,3731	
J4S, J5S	-4,048	5,340	,1351	
J4S, J6P	-10,569	5,340	.0002	S
J4S, J6S	-6,980	5,340	,0111	S
J4S, TNP	-1,363	9,086	,7658	
J4S, TNS	1,389	7,749	,7219	
J5P, J5S	-1,585	5,340	.5560	l _
J5P, J6P	-8,106	5,340	,0034	S
J5P, J6S	-4,517	5,340	,0961	ł
JSP, TNP	1,100	9,086	.8099	1
JSP. TNS	3,852	7,749	,3250	١.
J5S, J6P	-6,521	5,198	,0147	s
J55, J6S	-2,932	5,198	,2646	1
JSS, TNP	2,685		,5540	1
JSS, TNS	5,437		,1609	1
J6P, J6S	3,589	7	,1730	1.
J6P, TNP	9,206	1	,0452	S
J6P, TNS	11,958		.0026	s
J6S, TNP	5,617			4
J6S, TNS	8,369		,0325	s
TNP, TNS	2,752	10,610	,6067	J

FIG. 59 H

FIG. 60A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	1734,159	157,651	4,890	<,0001	53,795	1,000
Résidu	72	2321,022	32,236				

Tableau de moyennes pour TCRBV03

Effet: Groupe

FIG. 60B

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	18,836	3,623	1,479
CM+S	7	10,820	2,765	1,045
J3P	5	5,331	1,231	,551
J3S	4	5,430	1,650	,825
J4P	10	7,461	8,978	2,839
J4S	9	4,415	,982	,327
J5P	8	5,793	1,245	,440
J5S	10	10,189	5,355	1,693
J6P	9	13,548	6,523	2,174
J6S	10	15,192	9,694	3,066
		5,383	1,319	,933
TNP	2	5,363	1,319	,335
TNS	4	3,344	1,322	,661

Courbe des interactions pour TCRBV03

Effet: Groupe

Barres d'erreur: ± 1,96 Erreur(s) standard

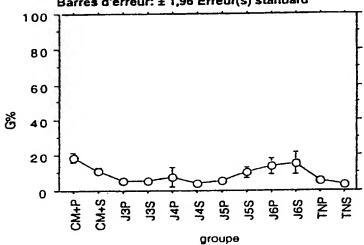


FIG.60C

FIG	60D

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	8,015	6,297	.0133] s
CM+P, J3P	13,505	6,854	.0002	s
CM+P, J3S	13,406	7,306	.0005	s
CM+P, J4P	11,374	5,845	,0002	s
CM+P, J4S	14,421	5,965	<,0001	s
CM+P, J5P	13,043	6,113	<,0001	s
CM+P, JSS	8,647	5,845	.0043	s
CM+P, J6P	5,288	5,965	,0815	ł
CM+P, J6S	3,844	5,845	,2180	
CM+P, TNP CM+P, TNS	13,452	9,241 7,306	,0049 <,0001	S
CM+S, J3P	15,491 5,489	6,627	,1031	٦
CM+S, J3S	5,391	7,094	,1342	İ
CM+S, J4P	3,359	5,578	,2339	ĺ
CM+S, J4S	6,405	5,704	,0283	s
CM+S, J5P	5,027	5,858	,0914	_
CM+S, J5S	,632	5,578	,8221	ŀ
CM+S, J6P	-2,728	5,704	,3436	
CM+S, J6S	-4,372	5,578	.1226	
CM+S, TNP	5,437	9,075	.2363	
CM+S, TNS	7,476	7,094	,0392	s
J3P, J3S	-,099	7,593	,9794	
J3P. J4P	-2,130	6,199	,4955	
J3P, J4S	,916	6,313	,7732	
J3P, J5P	-,462	6,452	,8869	
J3P. J5S	-4,858	6,199	,1227	_
J3P, J6P	-8,217	6,313	,0115	S
J3P, J8S	-9,861	6,199	,0022 ,9912	\$
J3P, TNP J3P, TNS	-,052 1,987	9,470 7,593	,6035	
J3S, J4P	-2,032	6,696	,5472	
J3S, J4S	1,015	6,801	,7670	
J3S, J5P	-,363	6,931	,9171	
J3S, J5S	-4,759	6,696	,1609	
J3S, J6P	-8,118	6,801	,0200	s
J35, J6S	-9,762	6,696	,0049	s
J3S, TNP	,046	9,802	,9925	
J3S, TNS	2,086	8,003	,6050	
J4P, J4S	3,046	5,200	,2468	
J4P, J5P	1,668	5,369	,5376	
J4P, J5S	-2,727	5,062	,2863	
J4P, J6P J4P, J6S	-6,087	5,200	,0224	s s
J4P, J6S J4P, TNP	-7,731 2,078	8,767	,6380	3
J4P, TNS	4,117	6,696	.2243	
J4S, J5P	-1,378	5,500	,6190	
J4S, J5S	-5,774	5,200	,0301	s
J4S, J6P	-9,133	5,336		s
J4S, J6S	-10,777	5,200	<,0001	s
J4S, TNP	-,968	8,848	,8279	
J4S, TNS	1,071	6,801	,7545	
J5P, J5S	-4,396	5,369	,1070	
J5P, J6P	-7,755	5,500	.0064	s
JSP. J6S	-9,399	5,369	8000,	s
JSP, TNP	,410	8,948	,9275	
JSP, TNS	2,449	6,931	,4835	
JSS, J6P	-3,359	5,200	,2020	
J5S, J6S	-5,003	5,062	,0526	
JSS, TNP	4,805	8,767	.2782	s
JSS, TNS	6,845	6,696 5,200	,0453 .5306	3
J6P, J6S J6P, TNP	-1,644 8 165	5,200	,0700	
JEP, TNS	8,165 10,204	8,848 6,801	,0038	s
J6S, TNP	9,808	8,767	,0288	s
J6S, TNS	11,848	5,696	.0007	s
TNP, TNS	2,039	9,802	,6796	

FIG.60E

Tableau ANOVA pour TCRBV04

Tableau Alfora pour Tombro								
	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance	
Groupe	11	480,614	43,692	,929	,5183	10,216	,465	
Résidu	71	3340,055	47,043				L	

Tableau de moyennes pour TCRBV04

Effet : Groupe

Effet : Groupe							
Nombre	Moyenne	Dév. Std.	Err. Std.				
6	12,811	8,847	3,612				
7	8,619	3,258	1,231				
5	7,932	2,114	,945				
4	5,369	1,230	,615				
10	9,371	10,068	3,184				
9	5,627	2,092	,697				
9	10,016	10,982	3,661				
10	5,395	2,913	,921				
8	10,734	10,645	3,764				
10	6,812	2,906	,919				
. 2	3,313	,404	,286				
3	5,444	1,555	,898				
	Nombre 6 7 5 4 10 9 9 10 8 10 2	Nombre Moyenne 6 12,811 7 8,619 5 7,932 4 5,369 10 9,371 9 5,627 9 10,016 10 5,395 8 10,734 10 6,812 2 3,313	Nombre Moyenne Dév. Std. 6 12,811 8,847 7 8,619 3,258 5 7,932 2,114 4 5,369 1,230 10 9,371 10,068 9 5,627 2,092 9 10,016 10,982 10 5,395 2,913 8 10,734 10,645 10 6,812 2,906 2 3,313 ,404				

FIG. 60F

Courbe des interactions pour TCRBV04

Effet : Groupe

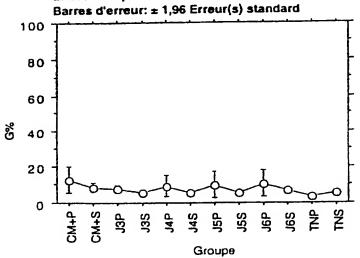


FIG. 60G

FIG. 60 H

CHAR CHAR	Diff. moy.	Dill. crit.	Valeur p
CM+P, CM+S CM+P, J3P	4,193 4,879	7,609 8,281	,2756 ,2440
CM+P, J3S	7,442	8,828	,0972
CM+P, J4P	3,440	7,062	,3347
CM+P, J4S	7,184	7,208	,0507
CM+P, J5P	2,795	7,208	,4419
CM+P, J5S	7,416	7,062	,0398
CM+P, J6P	2,077	7,386	,5767
CM+P, J6S	5,999	7,062	.0947
CM+P, TNP	9,498	11,166	,0943
CM+P, TNS	7,368	9,670	,1332
CM+S, J3P	,687	8,008	,8648
CM+S, J3S	3,249	8,572	.4522
CM+S, J4P	-,753	6,740	,8244
CM+S, J4S	2,992	6,892	,3897
CM+S, J5P	-1,397	6,892	,6873
CM+S, J5S	3,223	6,740	,3435
CM+S, J6P	-2,115	7,078	.5532
CM+S, J6S	1,806	6,740	.5947
CM+S, TNP	5,305	10,965	.3379
CM+S, TNS	3,175	9,437	.5045
J3P, J3S J3P, J4P	2,563	9,174	,5793
	-1,439	7,491	,7028
J3P, J4S	2,305	7,628	,5487
J3P, J5P J3P, J5S	-2,084	7,828	,5877
J3P, J5S J3P, J6P	2,537 -2,802	7,491	,5017 ,4760
J3P, J6S	1,120	7,797 7,491	,7665
J3P, TNP	4,619	11,442	.4236
J3P, TNS	2,489	9,988	.6209
J3S, J4P	-4,002	8,091	,3273
J3S, J4S	-,258	8,218	,9503
J3S, J5P	-4,647	8,218	,2634
J3S, J5S	-,026	8,091	,9949
J3S, J6P	-5,364	8,375	,2057
J3S, J6S	-1,443	8,091	,7232
J3S, TNP	2,056	11,844	7303
J3S, TNS	-,074	10,445	.9887
J4P, J4S	3,744	6,284	.2387
J4P, J5P	-,645	6,284	.8385
J4P, J5S	3,976	6,116	,1991
J4P, J6P	-1,362	6,487	,6766
J4P, J6S	2,559	6,116	,4069
J4P, TNP	6,058	10,593	,2580
JAP, TNS	3,928	9,003	.3873
J4S, J5P	-4,389	6,447	.1790
J4S, J5S	,232	6,284	.9416
J4S, J6P	-5,107	6,645	,1299
J4S, J6S	-1,185	6,284	,7080
JAS, TNP	2,314	10,691	.6674
J4S, TNS	183	9,117	,9681
J5P. J5S J5P, J6P	4,621 -,718	5,284 5,645	,1470 ,8301
J5P, J6S	3,204	6,284	,3128
JSP, TNP	6,703	10,691	,2154
J5P, TNS	4,572	9,117	,3207
J5S. J6P	-5,339	6,487	,1052
J5S, J6S	-1,417	6,116	,6455
JSS, TNP	2,082	10,593	6963
JSS, TNS	-,048	9,003	,9915
J6P, J6S	3,922	6,487	,2321
JEP, TNP	7,421	10,812	,1755
JEP, TNS	5,290	9,259	,2584
J6S, TNP	3,499	10,593	,5123
J6S, TNS	1,369	9,003	,7627
TNP, TNS	-2,130	12,484	,7347

FIG. 61A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	1661,862	151,078	1,949	,0508	21,436	,842
Résidu	59	4574,151	77,528				

Tableau de moyennes pour TCRBV05.1

Effet: Groupe

	•			
	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	26,657	8,159	3,331
CM+S	5	13,877	4,933	2,206
J3P	4	19,960	14,417	7,208
J3S	4	10,518	3,153	1,577
J4P	7	19,651	14,109	5,333
J4S	6	8,088	1,826	,746
J5P	7	20,393	9,875	3,733
J5S	. 8	15,429	8,348	2,952
J6P	8	19,805	7,737	2,735
J6S	10	19,787	8,877	2,807
TNP	2	11,334	1,795	1,269
TNS	4	14,094	5,006	2,503

FIG. 61B

Courbe des interactions pour TCRBV05.1

Effet : Groupe

Barres d'erreur: ± 1,96 Erreur(s) standard

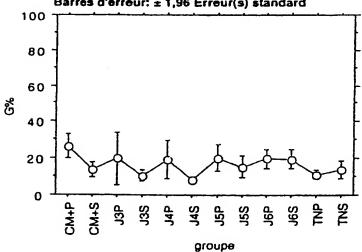


FIG.61C

Ditt. moy. Ditt. crit.

Valeur p

s CM+P, CM+S 12,780 10,669 ,0197 CM+P, J3P 6.697 11,373 2434 CM+P, J3S 16,139 11,373 ,0062 S 1579 CM+P, J4P 7,006 9.802 10,172 ,0006 s CM+P, J4S 18,569 9,802 2060 CM+P, J5P 6,284 ,0215 s CM+P, J5S 11,228 9,515 CM+P, J6P 6,852 9,515 1549 1362 CM+P, J6S 6,870 9,098 0372 CM+P, TNP 15,323 14,386 CM+P, TNS 11,373 .0310 12,563 11,819 3073 CM+S, J3P -6,083 3,359 11,819 .5717 CM+S, J3S 10,316 ,2673 -5,774 CM+S, J4P CM+S, J4S 5,789 10,669 ,2820 -6,516 2112 10,316 CM+S, J5P CM+S, J5S -1,552 10,044 ,7582 10,044 CM+S, J6P -5,928 ,2423 CM+S, J6S -5,910 9,650 ,2252 CM+S, TNP 2,543 14,741 7312 9709 11,819 CM+S, TNS -.217 J3P, J3S 9,442 12,458 ,1347 .310 11.043 9554 J3P, J4P J3P, J4S 11,872 11,373 .0410 J3P, J5P -,433 11,043 9378 J3P, J5S 4,531 10,789 4041 10,789 J3P, J6P 155 ,9771 9736 173 10.423 J3P. J6S J3P, TNP 8,626 15,258 ,2625 12,458 3499 J3P. TNS 5,867 -9,133 1033 J35, J4P 11,043 11,373 6705 J3S, J4S 2,430 11,043 ,0787 J3S, J5P -9,875 3661 J3S, J5S -4,911 10,789 J3S, J6P -9,287 10,789 0902 ,0803 J3S, J6S -9,269 10,423 9151 JOS, TNP -,816 15,258 12,458 5679 J3S, TNS -3,576 9,802 .0216 J4P, J4S 11,563 .8752 J4P. J5P -,742 9.418 J4P. J5S 4,221 9,119 ,3580 -,155 9,119 9731 J4P. J6P J4P, J6S -,137 8,683 9750 J4P. TNP 8,317 14,126 ,2435 J4P, TNS 5,557 11,043 3181 0148 J4S, J5P -12,305 9,802 J4S. J5S -7,341 9.515 1280 -11,717 ,0167 J4S, J6P 9,515 0126 J4S, J5S -11,700 9.098 J4S, TNP -3,246 14,386 6533 J4S, TNS -6.006 11,373 2950 J5P, J5S 4,964 9,119 .2805 J5P, J6P .588 9.119 8976 JSP. J6S ,606 8,683 8894 JSP, TNP ,2044 9.059 14,126 JSP, TNS 6,299 11,043 2583 3243 J5S. J6P -4,376 8,809 J5S, J6S -4,358 8,357 ,3010 JSS. TNP 13.929 ,5586 4.095 JSS, TNS 1,336 10,789 ,8052 ,018 9966 J6P, J6S 8.357 J6P. TNP 8,471 13,929 2285 5,712 10,789 2938 J6P, TNS J6S, TNP 8,453 13,647 ,2201 J6S. TNS 5.694 10,423 2788 TNP, TNS -2,760 15,258 ,7187

FIG. 61D

FIG.61E

	ddl	Somme des carrés	Carré moven	Valeur de F	Valeur de p	Lambda	Puissance
_	44	1350.634	122,785	6,040	<,0001	66,443	1,000
Groupe	11						
Résidu	68	1382,288	20,328		<u> </u>	L	L

Tableau de moyennes pour TCRBV05.2

Effet: Groupe

Effet: Groupe					
Nombre		Moyenne	Dév. Std.	Err. Std.	
CM+P	5	23,300	7,151	3,198	
CM+S	7	9,868	4,811	1,818	
J3P	5	14,277	8,343	3,731	
J3S	4	6,390	1,693	,847	
J4P	8	10,889	1,436	,508	
J4S	9	8,759	2,111	,704	
J5P	8	17,091	3,750	1,326	
J5S	10	8,415	6,726	2,127	
J6P	8	12,346	3,849	1,361	
J6S	10	9,966	2,723	,861	
TNP	2	9,361	4,477	3,165	
TNS	4	8,400	1,384	,692	
					

FIG. 61F

Courbe des interactions pour TCRBV05.2

Effet: Groupe

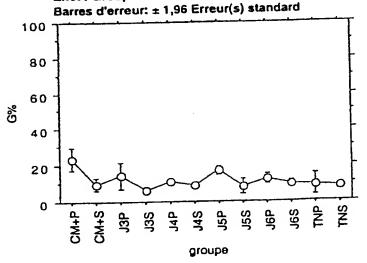


FIG. 61G

Diff. moy.

13,432

CM+P, CM+S

Diff. crit.

5.268

Valeur p

<,0001 s

CM+P, J3P 9,024 5,690 ,0023 s CM+P, J3S 16,910 6,035 <,0001 \$ CM+P, J4P 12,411 5,129 <,0001 s CM+P, J4S 14,541 s 5,018 <.0001 CM+P, J5P 6,209 5,129 .0184 s CM+P, J5S 14,886 4.928 <,0001 CM+P, J6P 10,955 5,129 <,0001 s CM+P, J6S 13,335 4,928 <,0001 s CM+P, TNP 13,939 7,527 .0004 s CM+P, TNS 14,901 6,035 <,0001 CM+S, J3P -4.409 5,268 .0995 CM+S, J3S 3,478 5,639 ,2227 CM+S, J4P -1,021 4,656 ,6632 CM+S, J4S 1,109 4,534 ,6271 CM+S, J5P -7,223 4,656 ,0029 CM+S, J5S 1,454 4,434 .5152 CM+S, J6P -2,477 4,656 ,2921 CM+S, J6S -,098 4,434 ,9651 CM+S, TNP .507 7,214 .8888 CM+S, TNS 1,469 5,639 6050 J3P, J3S 7,887 .0112 6,035 J3P, J4P 3,388 5,129 ,1919 J3P, J4S 5,518 5,018 .0317 s J3P, J5P -2,815 5,129 .2774 J3P, J5S .0204 5,862 4,928 J3P, J6P 1,931 5,129 .4550 J3P, J6S 4,311 4,928 .0854 J3P, TNP 4,916 7,527 .1969 J3P, TNS 5,877 6.035 .0561 J3S, J4P -4,499 5,509 .1078 J3S, J4S .2,369 5,406 3850 J3S, J5P -10,701 5,509 .0002 J3S, J5S -2,025 5,323 4505 J3S, J6P -5,956 5,509 .0345 J3S, J6S -3.576 5.323 .1845 J3S, TNP -2,971 7,791 .4494 J3S, TNS -2,009 6,362 .5306 J4P, J4S 2,130 4,372 ,3344 J4P. J5P -6,202 4,498 ,0076 J4P. J5S 2,474 4,268 ,2513 J4P. J6P -1,457 4,498 .5203 J4P. J6S ,923 4,268 ,6674 J4P, TNP 1,528 7,113 ,6695 J4P, TNS 2,489 5.509 ,3704 J4S. J5P -8,332 4.372 .000з J4S, J5S 4,134 .345 .8684 J4S, J6P -3,586 4,372 <u>.1</u>062 J4S, J6S -1.2074,134 ,5622 J4S, TNP ..602 7,033 8649 J4S, TNS .360 5,406 ,8948 J5P, J5S 8,677 4,268 ,0001 JSP, J6P 4.746 4,498 .0390 s J5P. J6S 7,126 4,268 .0014 JSP, TNP 7,113 7,730 .0336 S JSP. TNS 8,692 5,509 .0024 s J5S. J6P -3,931 4,268 .0704 J5S, J6S -1,551 4,024 .4444 JSS, TNP -,946 6,969 7872 JSS, TNS ,015 5,323 .9955 J6P, J6S 2,380 4,268 ,2697 J6P, TNP 2,985 7,113 ,4053 J6P, TNS 3,946 5,509 1575 J6S, TNP ,605 6,969 .8630 J6S, TNS 1,566 5,323 .5590 TNP, TNS

,961

7,791

.8062

FIG. 61 H

FIG. 62A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance	
Groupe		1291,943		1,870	,0575	20,575	,837	
Résidu	73	4583,735	62,791					

Tableau de moyennes pour TCRBV06

Effet : G	roupe			
	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	15,125	7,023	2,867
CM+S	7	10,994	7,245	2,739
J3P	5	7,344	2,440	1,091
J3S	5	17,100	10,958	4,901
J4P	10	11,019	8,113	2,566
J4S	9	8,340	8,466	2,822
J5P	9	7,467	2,436	,812
J5S	9	10,375	8,168	2,723
J6P	9	18,262	9,736	3,245
J6S	10	15,564	10,507	3,322
TNP	2	6,084	,261	,185
TNS	4	6.845	2,526	1,263

FIG. 62B

Courbe des interactions pour TCRBV06

Effet : Groupe

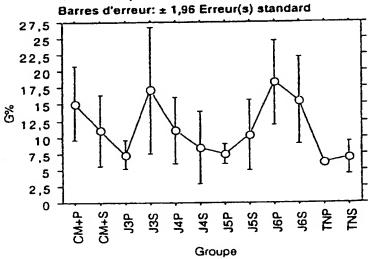


FIG.62C

	Diff, moy.	Diff. crit.	Valeur p	
CM+P, CM+S	4,131	8,786	,3518	
CM+P, J3P	7,781	9,563	.1092	
CM+P, J3S	-1,975	9,563	,6818	
CM+P, J4P	4,106	8,155	,3190	
CM+P, J4S CM+P, J5P	6,784 7,657	8,323 8,323	,1086	
CM+P, J5S	4,749	8,323	,2592	
CM+P, J6P	-3,137	8,323	,4550	
CM+P, J6S	-,440	8,155	,9148	
CM+P, TNP	9,041	12,895	.1665	
CM+P, TNS	8,280	10,194	,1098	
CM+S, J3P	3,650	9,247	,4341	
CM+S, J3S	-6,106	9,247	,1923	
CM+S, J4P CM+S, J4S	-,025	7,783	,9949 ,5085	
CM+S, J5P	2,653 3,526	7,959	,3801	
CM+S, J5S	,618	7,959	,8774	
CM+S, J6P	-7,268	7,959	,0728	
CM+S, J6S	-4,571	7,783	,2456	
CM+S, TNP	4,910	12,662	,4421	
CM+S, TNS	4,148	9,899	,4063	
J3P, J3S	-9,756	9,988	,0554	
J3P, J4P	-3,675	8,650	,3999	
J3P, J4S	-,996	8.809	,8223	
J3P, J5P	2.022	8,809	,9778 ,4949	
J3P, J5S J3P, J6P	-3,032 -10,918	8,809	,0158	s
J3P, J6S	-8,220	8,650	,0622	-
J3P, TNP	1,260	13,213	,8498	
J3P, TNS	.499	10,594	,9255	
J3S, J4P	6,081	8,650	,1654	
J3S, J4S	8,759	8,809	,0513	
J3S, J5P	9,632	8,809	,0325	S
J3S, J5 S	6,724	8,809	,1325	
J3S, J6P	-1,162	8,809	,7933	
J3S, J6S	1,536	8,650	,7245	
J3S, TNP J3S, TNS	10,255	13,213	,1009	
J4P. J4S	2,678	7,256	,4643	
J4P, J5P	3,551	7,256	,3326	
J4P. J5S	,643	7,256	,8603	
J4P. J6P	-7,243	7,256	.0504	
J4P, J6S	-4,545	7,063	,2037	
J4P, TNP J4P, TNS	4,935	9,343	,4240	
J4S, J5P	.873	7,445	,8159	
J4S, J5S	-2,035	7,445	,5875	
J4S, J6P	-9,921	7,445	,0097	s
J4S, J6S	-7,224	7,256	0510	
J4S, TNP	2,257	12,346	,7167	
J4S, TNS	1,495	9,490	,7544	
J5P. J5S	-2,908	7,445	.4388	_
J5P, J6P	-10,794	7,445	,0051	S
JSP, J6S J5P, TNP	1,384	7,256 12,346	,0293	3
JSP, TNS	,622	9,490	.8964	
J5S, J6P	-7,886	7,445	.0382	s
JSS, J6S	-5,189	7,256	,1584	
JSS, TNP	4,292	12,346	,4906	
J5S, TNS	3,530	9,490	,4508	
J6P, J6S	2,698	7,256	,4611	
J6P, TNP	12,178	12,346	.0531	_
J6P, TNS	11,417	9,490	,0191	S
J6S, TNP	9,480	12,233	,1268	1
J6S, TNS TNP, TNS	8,719 -,761	9,343	,0669	1
1140, 1140	-,/01	1 15,077		,

FIG. 62D

FIG. 62E

	ddl	Somme des carrés	Carre moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	1662,073	151,098	2,273	,0190	24,999	,916
Résidu	73	4853,374	66,485	·			

Tableau de moyennes pour TCRBV07

Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	22,571	12,580	5,136
CM+S	7	12,394	5,957	2,251
J3P	4	8,192	3,515	1,758
J3S	5	18,202	12,455	5,570
J4P	10	9,671	7,238	2,289
J4S	9	7,380	1,678	,559
J5P	9	7,781	3,973	1,324
J5S	10	11,235	7,477	2,365
J6P	9	17,036	11,325	3,775
J6S	10	13,534	9,840	3,112
TNP	2	5,798	1,335	,944
TNS	4	11,232	7,499	3,749

FIG. 62F

Courbe des interactions pour TCRBV07

Effet : Groupe

Barres d'erreur: ± 1,96 Erreur(s) standard

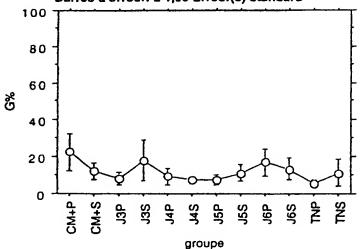


FIG. 62G

> Valeur p .0279 S

.0079 5

3791

0031 s

,0007 s

0010 s

0088 s

2018

.0352 S

.0139 S

.0345 S

4136

,2277

,5002

.2263

Diff. moy. Diff. crit.

9,041

10,490

9,840

8,392

8,565

8,565

8,392

8,565

8,392

13,268

10,490

10,186

9,515

8,008

8,189

10,177

14,380

4,369

12,900

15,191

14,790

11,336

5,535

9,037

16,773

11,339

4,202

-5,808

2,723

5,014

CM+P, CM+S

CM+P, J3P

CM+P, J3S

CM+P, J4P

CM+P, J4S

CM+P. J5P

CM+P, J5S

CM+P, J6P

CM+P, J6S

CM+P, TNP

CM+P, TNS

CM+S, J3P

CM+S, J3S

CM+S, J4P

CM+S, J4S

	CM+S, J4S	5,014	6,188	.2263	
	CM+S, J5P	4,612	8,189	,2653	
	CM+S, J5S	1,159	8,008	,7739	
	CM+S, J6P	-4,642	8,189	,2623	•
	CM+S, J6S	-1,140	8.008	.7775	
	CM+S, TNP	6,596	13,029	,3163	
	CM+S, TNS	1,162	10,186	,8208	
	J3P, J3S	-10,011	10,901	.0713	
	J3P, J4P	-1,480	9,614	.7599	
	J3P, J4S	,811	9,765	,8689	
	J3P. J5P	,410	9,765	,9335	
	J3P, J5S	-3,044	9,614	,5301	
	J3P, J6P	-8,845	9,765	,0752	
	J3P, J6S	-5,342	9,614	,2717	
	J3P, TNP	2,394	14,073	,7356	
IG. 62 H	J3P, TNS	-3.041	11,491	,5995	
1 G. 02 11	J3S, J4P	8,531	8,901	,0600	
	J3S, J4S	10,822	9,064	,0200	s
	J3S, J5P	10,421	9,064	,0248	s
	J3S, J5S	6,967	8,901	,1231	
	J3S, J6P	1,166	9,064	,7984	
	J35, J6S	4,668	8,901	,2993	
	J3S, TNP	12,404	13,596	,0731	i
	J3S, TNS	6,970	10,901	,2066	
	J4P, J4S	2,291	7,467	,5428	ļ
	J4P, J5P	1,890	7,467	,6155	
	J4P, J5S	-1,564	7,267	,6693	
	J4P, J6P	-7,365	7,467	.0531	
	J4P, J6S	-3,863	7,267	,2930	-
	J4P, TNP	3,873	12,588	,5416	
	J4P. TNS	-1,561	9,614	.7472	}
	J4S, J5P	-,401	7,661	,9171	
	J4S, J5S	-3,855	7,467	.3069	
	J4S, J6P	-9,656	7,661	,0142	s
	J4S, J6S	-6,154	7,467	,1048]
	J4S, TNP	1,582	12,704	,8046	
	J4S, TNS	-3,852	9,765	,4343	
	J5P, J5S	-3,454	7,467	,3596	
	J5P, J6P	-9,255	7,561	,0186	s
	J5P, J6S	·5,752	7,467	,1290	1

JSP, TNP

J5P, TNS

JSS, J6P

J5S, J6S

JSS, TNP

JSS. TNS

J6P, J6S

JSP, TNP

JEP, TNS

J6S, TNP

J6S, TNS

TNP, TNS

1,984

-3,451

-5,801 .2,299

5,437

.003

3,502

11,238

5,804

7,736

2,302

-5,435

12,704

9,765

7.467

7.267

12,588

9,614

7,467

12,704

9,765

12,588

9,614

14,073

,7565

4835

,1258

,5304

,3921 ,9995

,3530

,0821

,2401 ,2246

,6347

,4440

 F_{I}

FIG. 63A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	460,326	41,848	2,870	,0035	31,573	,973
Résidu	73	1064,330	14,580				

Tableau de moyennes pour TCRBV08.1

Effet : Groupe

	Elice: aloupo						
	Nombre	Moyenne	Dév. Std.	Err. Std.			
CM+P	6	11,623	5,609	2,290			
CM+S	7	8,948	2,515	,950			
J3P	5	7,514	1,811	,810			
J3S	5	7,790	3,225	1,442			
J4P	10	6,330	1,351	,427			
J4S	9	4,583	1,739	,580			
J5P	9	6,969	1,629	,543			
J5S	10	6,622	2,787	,881			
J6P	8	9,385.	3,428	1,212			
JBS	10	11,825	8,039	2,542			
TNP	2	6,355	2,775	1,963			
TNS	4	4,560	1,918	,959			

FIG. 63B

Courbe des interactions pour TCRBV08.1

Effet : Groupe

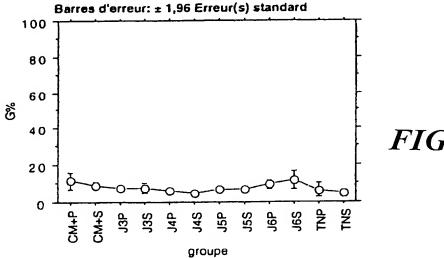


FIG.63C

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	2,675	4,234	,2119	
CM+P, J3P	4,109	4,608	.0797	ĺ
CM+P, J3S	3,833	4,608	,1017	
CM+P, J4P	5,293	3,930	.0090	s
CM+P, J4S	7,040	4,011	8000,	S
CM+P, J5P	4,654	4,011	,0236	S
CM+P, J5S	5,001	3,930	,0133	S
CM+P, J5P	2,238	4,110	,2813	
CM+P, J6S	•,202	3,930	,9185	
CM+P, TNP	5,267	6,214	,0954	
CM+P, TNS	7,063	4,912	,0054	s
CM+S, J3P	1,434	4,456	,5234	1
			,6063	
CM+S, J3S	1,157	4,456		1
CM+S, J4P	2,618	3,750	,1684	
CM+S, J4S	4,365	3,835	,0263	S
CM+S, J5P	1,979	3,835	,3072	
CM+S, J5S	2,325	3,750	,2205	
CM+S, J6P	-,437	3,939	,8256	Į.
CM+S, J6S	-2,878	3,750	,1305	1
CM+S, TNP	2,592	6,102	,3999	
CM+S, TNS	4,388	4,770	,0708	ĺ
J3P. J3S				
•	-,276	4,813	,9092	1
J3P. J4P	1,184	4,168	,5730	
J3P. J4S	2,931	4,245	.1729	
J3P, J5P	.545	4,245	.7988	
J3P, J5S	,892	4,168	,6711	
J3P, J6P	-1,871	4,338	,3930	
J3P, J6S	-4,311	4,168	,0428	s
J3P, TNP	1,158	6,367	,7179	
J3P, TNS			2525	
	2,954	5,105		
J3S, J4P	1,461	4,168	,4872	
J3S, J 4\$	3,208	4,245	,1363	
J3S, J5P	,821	4,245	,7008	
J3S, J5S	1,168	4,168	,5781	
J3S, J 6P	-1,594	4,338	,4663	
J3S, J6S	-4,035	4,188	,0576	
J3S, TNP	1,435	6,367	,6547	
J3S, TNS	3,231	5,105	,2112	
J4P, J4S	1,747		,3226	
		3,497		
J4P, J5P	•,639	3,497	.7167	
J4P, J5S	•,292	3,403	.8645	
J4P, J6P	·3,055	3,610	,0960	
J4P, J6S	-5,496	3,403	,0019	S
J4P, TNP	-,026	5,895	,9931	
J4P, TNS	1,770	4,502	.4358	
J4S, J5P	-2,386	3,587	,1890	
J4S, J5S	-2,040	3,497	,2488	
J4S, J6P	-4,602	3,698	.0116	s
J4S, J6S	-7,243	3,497	<,0001	s
J4S, TNP	-1,773	5,949	,5544	_
J45, TNS				
	,023	4,573	,9921	
J5P, J5S	,347	3,497	,8439	
J5P, J6P	-2,416	3,698	,1970	
JSP, J6S	-4,856	3,497	,0071	S
JSP, TNP	,613	5,949	.8377	
J5P, TNS	2,409	4,573	,2972	
J5S, J6P	-2,762	3,610	.1315	
J5S, J6S	-5,203	3,403	.0032	s
JSS, TNP		5,895	,9284	
	,267			
JSS, TNS	2,063	4,502	,3642	
J6P, J6S	-2,441	3,610	,1820	
J6P, TNP	3,029	6,016	,3190	
JEP, TNS	4,825	4,660	.0426	s
J6S, TNP	5,470	5,895	,0685	
J6S, TNS	7,266	4,502	,0019	s
TNP, TNS	1,796	6,590	,5887	

FIG. 63D

FIG.63E

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance	
Groupe	11	261,752	23,796	,845	,5966	9,294	,423	
Résidu	72	2027,752	28,163		<u> </u>			

Tableau de moyennes pour TCRBV08.2

Effet : Groupe

Ellet : Gloupe					
	Nombre	Moyenne	Dév. Std.	Err. Std.	
CM+P	6	9,424	4,193	1,712	
CM+S	7	9,822	8,175	3,090	
J3P	5	7,368	3,371	1,508	
J3S	5	11,440	8,893	3,977	
J4P	10	7,015	3,452	1,092	
J4S	9	5,927	2,128	,709	
J5P	8	7,913	2,982	1,054	
J5S	10	7,678	4,199	1,328	
J6P	8	9,707	5,289	1,870	
J6S	10	11,101	8,149	2,577	
TNP	2	6,014	1,405	,993	
TNS	4	6,761	2,393	1,197	

FIG. 63F

Graphique des interactions pour TCRBV08.2

Effet : Groupe

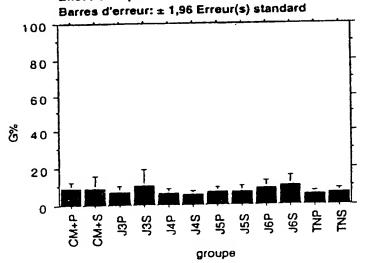


FIG. 63G

FIG. 63 H

OBLON ET AL (703) 413-3000 DOCKET # 263996US0X PCT INV. Alexis COLLETTE et al. USSN 10/519,950 Reply to O.A. DATED NOVEMBER 1, 2007 REPLACEMENT SHEET(S)

J3P, J6S		DIM	0		
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J3P. J5S -,310	3	1,441	5,901	.6279	1
J3P, J6P -2,339 6,031 .4420 J3P, J6S -3,733 5,794 .2031 J3P, TNP 1,353 8,851 ,7614 J3P, TNS ,606 7,097 ,8652 J3S, J4P 4,425 5,794 .1323 J3S, J5P J3S, J5P J3S, J5P J3S, J5P J3S, J5P J3S, J6S J3R61 J3S, J6S J4C, J6S J4S, J5S -1,751 -1,986 J4C, J6S J4S, J6S -1,751 -1,986 J4S, J6S -1,751 -1,986 J4S, J6S -1,751 J4S, J6S -1,751 J4S, J6S -1,751 J4S, J6S -1,751 J4S, J6S -1,794 J4S, J6S -1,794 J4S, J6S -3,189 J5C, J1S J5C, J6S -3,189 J5C, J6S -3,189 J5C, J6S -3,189 J5C, J6S -3,189 J5C, J6S -3,423 J5C, J6S -3,423 J5C, J6S J5S, TNP J6S, TNS J6S, TNP J6S, TNS J6S, TNP J6S, TNP J6S, TNS J6S, TNP J6S, TNP J6S, TNS J6S, TNS J6S, TNS J6S, TNP J6S, TNS J6S, TNS J6S, TNP J6S, TNS J6S, TNP J6S, TNS J		-,545	6,031	,8576	1
J3P, J6S -3,733 5,794 .2031 J3P, TNP 1,353 8,851 ,7614 J3P, TNS .606 7,097 .8652 J3S, J4P 4,425 5,794 .1323 J3S, J4S 5,513 5,901 .0666 J3S, J5P 3,527 6,031 .2475 J3S, J5S 3,761 5,794 .1998 J3S, J6S .338 5,794 .9076 J3S, TNP 5,425 8,851 .2257 J3S, TNS 4,678 7,097 .1930 J4P, J4S 1,088 4,861 .6569 J4P, J5P -8,98 5,018 .7223 J4P, J5P -8,98 5,018 .7223 J4P, J5S -6,64 4,731 .7806 J4P, J5S -6,64 4,731 .7806 J4P, J5S -4,692 5,018 .2884 J4P, TNS .253 5,259 .9360 J4S, J5P -1,986 5,141 .4438 J4S, J5S -1,751 4,861 .4750 J4S, J6S -5,174 4,861 .0373 S J4S, TNP -087 8,270 .9832 J4S, TNP -087 8,270 .9832 J4S, TNS -1,835 6,357 .7943 J5P, J6S -3,189 5,018 .2094 J5P, J6S -3,189 5,018 .2094 J5P, TNS 1,151 6,478 .7242 J5S, J6P -2,028 5,018 .4230 J5S, TNP 1,684 8,195 .6869 J5S, TNS .917 6,259 .7711 J6P, TNS .916 -1,794 5,290 5,018 .4230 J5S, TNP 1,684 8,195 .6869 J5S, TNS .917 6,259 .7711 J6P, TNS 2,945 6,478 .3678 J6P, TNS 2,945 6,478 .3678 J6S, TNP 5,087 8,195 .2199 J6S, TNS 4,340 6,259 .7712	J3P. J5S	-,310	5,794	,9153	1
J3P, TNP 1.353 8.851 .7614 J3P, TNS .606 7.097 .8652 J3S, J4P 4.425 5.794 .1323 J3S, J4S 5.513 5.901 .0666 J3S, J5P 3.527 6.031 2.475 J3S, J5S 3.761 5.794 .1998 J3S, J5S J3S, J6P 1.733 6.031 .5686 J3S, J6P 1.733 6.031 .5686 J3S, J6P 1.733 6.031 .5686 J3S, TNP 5.425 8.851 .2257 J3S, TNP 5.425 8.851 .2257 J3S, TNS 4.678 7.097 .1930 J4P, J4S 1.088 4.861 .6569 J4P, J5P -898 5.018 .7223 J4P, J5P -898 5.018 .7223 J4P, J6P -2.692 5.018 .2884 J4P, J6P -2.692 5.018 .2884 J4P, TNS .253 6.259 .3960 J4S, J5P -1,986 5.141 .4438 J4S, J5S -1,751 4.861 .4750 J4S, J6P -3.780 5.141 .1471 J4S, J6S -5.174 4.861 .0373 S J4S, TNP -087 8.270 .9832 J4S, TNP -087 8.270 .9832 J4S, TNP -087 8.270 .9832 J5P, J5S .234 5.018 .2945 J5P, J5S -3.189 5.018 .2094 J5P, TNS 1.151 6.478 .7242 J5S, J6P -2.028 5.018 .4230 J5S, TNP 1.684 8.195 .6869 J5S, TNP 1.684 8.195 .6869 J5S, TNS .917 6.259 .77711 J6P, TNS .917 6.259 .77711 J6P, TNS 2.945 6.478 .3678 J6P, TNS 2.945 6.478 .3678 J6S, TNP 5.087 8.195 .2199 J6S, TNS 4.3400 6.259 .7712	J3P, J 6P	-2,339	6,031	,4420	
J3P, TNS	J3P, J6S	-3,733	5,794	,2031	j
J3S, J4P 4,425 5.794 .1323 J3S, J4S 5.513 5.901 .0666 J3S, J5P 3.527 6.031 .2475 J3S, J5S 3.761 5.794 .1998 J3S, J6P 1.733 6.031 .5686 J3S, TNP 5.425 8.851 .2257 J3S, TNP 5.425 8.851 .2257 J3S, TNS 4.678 7.097 .1930 J4P, J4S 1.088 4.861 .6569 J4P, J5P898 5.018 .7223 J4P, J5P898 5.018 .2284 J4P, J6P -2.692 5.018 .2884 J4P, J6P -2.692 5.018 .2884 J4P, J6P -1.000 8.195 .8085 J4P, TNP 1.000 8.195 .8085 J4S, J5P -1.986 5.141 .4438 J4S, J5S -1.751 4.861 .4750 J4S, J6S -5.174 4.861 .0373 S J4S, J6S -5.174 4.861 .0373 S J4S, TNP087 8.270 .9832 J4S, TNP087 8.270 .9832 J4S, TNS835 6.357 .7943 J5P, J5S .234 5.018 .9260 J5P, J5P J5S .234 5.018 .9204 J5P, TNP 1.898 8.364 .6523 J5S, TNP 1.684 8.195 .6869 J5S, J6S -3.423 4.731 .1536 J5S, TNP 3.692 8.364 .3818 J6P, TNP 5.087 8.195 .2199 J6S, TNP 5.087 8.195 .2199 J6S, TNP 5.087 8.195 .2199 J6S, TNP 5.087 8.195 .2199	J3P, TNP	1,353	8,851	,7614	1
J3S. J4P 4,425 5,794 .1323 J3S. J4S 5,513 5,901 .0666 J3S. J5P 3,527 6,031 .2475 J3S. J5P 3,527 6,031 .2475 J3S. J5S 3.761 5,794 .1998 J3S. J6P 1,733 6,031 .5686 J3S. J6P 1,733 6,031 .5686 J3S. J6P 1,733 6,031 .5686 J3S. TNP 5,425 8,851 .2257 J3S. TNS 4,678 7,097 .1930 J4P, J4S 1,088 4,861 ,6569 J4P, J5P -,898 5,018 ,7223 J4P, J5P -,898 5,018 .2284 J4P, J5P -2,692 5,018 .2884 J4P, J6P -2,692 5,018 .2884 J4P, J6P -2,692 5,018 .2884 J4P, TNS .253 6,259 .9360 J4S. J5P -1,986 5,141 .4438 J4S. J5S -1,751 4,861 .4750 J4S. J6P -3,780 5,141 .1471 J4S. J6S -5,174 4,861 .0373 S J4S. TNP -,087 8,270 ,9832 J4S. TNP -,087 8,270 ,9832 J4S. TNS .234 5,018 ,9260 J5P, J5S .234 5,018 .9260 J5P, J5P -1,794 5,290 .5011 J5P, J5S -3,189 5,018 .2094 J5P, TNS 1,151 6,478 .7242 J5S, J6P -2,028 5,018 .4230 J5S, TNP 1,898 8,364 .6523 J5S, TNP 1,684 8,195 .6869 J5S, TNS .917 6,259 .77711 J6P, TNS 2,945 6,478 .3678 J6S, TNP 5,087 8,195 .2199 J6S, TNP 5,087 8,195 .2199 J6S, TNS 4,340 6,259 .1712	J3P, TNS	,606	7,097	,8652	l
J3S. J4S	J3S, J4P	4,425	5,794	,1323	Ì
J3S. J5P	J3S, J4S	5,513	5,901		1
J3S, J5S	J3S, J5P				
J3S. J6P 1.733 6.031 .5686 J3S. J6S .338 5.794 .9076 J3S. TNP 5.425 8.851 .2257 J3S. TNS 4.678 7.097 .1930 J4P. J4S 1.088 4.861 .6569 J4P. J5P .898 5.018 .7223 J4P. J5P -2.692 5.018 .2884 J4P. J6P -2.692 5.018 .2884 J4P. J6P -2.692 5.018 .2884 J4P. J6P -3.780 5.141 .4438 J4P. TNP 1.000 8.195 .8085 J4P. TNP 1.986 5.141 .4438 J4S. J5P -1.986 5.141 .4438 J4S. J5P -3.780 5.141 .1471 J4S. J6S -3.780 5.141 .1471 J4S. J6S -5.174 4.861 .0373 S J4S. J6P -3.835 6.357 .7943 J4S. TNP .087 8.270 .9832 J5P. J6P -1.794 5.290 .5011 J5P. TNP 1.898 8.364 .6523 J5P. TNP 1.898 8.364 .6523 J5S. J6P -2.028 5.018 .4230 J5S. J6P -2.028 5.018 .4230 J5S. J6P -2.028 5.018 .4230 J5S. J6P -2.028 5.018 .6869 J5S. J6P -3.423 4.731 .1536 J5S. TNP 1.664 8.195 .6869 J6P. TNP 3.692 8.364 .3818 J6P. TNP 5.087 8.195 .2199 J6S. TNP 5.087 8.195 .2199 J6S. TNS 4.340 6.259 .1712	J3S, J5S				
J3S, J6S	J3S, J6P				1
JUSS, TNP					
J3S, TNS					
JAP, JAS 1,088 4,861 ,6569 JAP, JSP -,898 5,018 ,7223 JAP, JSS -,664 4,731 ,7806 JAP, JGP -2,692 5,018 ,2884 JAP, JGS -4,087 4,731 ,0894 JAP, TNP 1,000 8,195 ,8085 JAP, TNP 1,000 8,195 ,8085 JAS, JSP -1,986 5,141 ,4438 JAS, JSP -1,986 5,141 ,4438 JAS, JSP -3,780 5,141 ,4438 JAS, JSP -3,780 5,141 ,4471 JAS, JSP -3,780 5,141 ,4471 JAS, JSP -0,87 8,270 ,9832 JAS, TNP -0,87 8,270 ,9832 JAS, TNP -0,87 8,270 ,9832 JSP, JSP -2,34 5,018 ,9260 JSP, JSP -3,189 5,018 ,2094 JSP, TNP 1,898 8,364 ,6523	•				
JAP, JSP					
JAP, JSS					
JAP. J6P					
JAP, J6S -4,087 4,731 ,0894 JAP, TNP 1,000 8,195 ,8085 JAP, TNS ,253 6,259 ,9360 JAS, J5P -1,986 5,141 ,4438 JAS, J5S -1,751 4,861 ,4750 JAS, J6P -3,780 5,141 ,1471 JAS, J6S -5,174 4,861 ,0373 S JAS, TNP -087 8,270 ,9832 JS JAS, TNS -,835 6,357 ,7943 JSP J5P, JSS ,234 5,018 ,9260 JSP J5P, J6P -1,794 5,290 ,5011 JSP J5P, J6S -3,189 5,018 ,2094 JSP J5P, TNS 1,151 6,478 ;7242 JSS J5S, J6P -2,028 5,018 ,4230 JSS J5S, J6S -3,423 4,731 ,1536 JSS JSS JSS JSS JSS JSS JSS JSS					
JAP. TNP 1,000 8,195 8085 JAP. TNS .253 6,259 ,9360 JAS. JSP -1,986 5,141 ,4438 JAS. JSS -1,751 4,861 .4750 JAS. JGP -3,780 5,141 ,1471 JAS. JGS -5,174 4,861 ,0373 S JAS. TNP -087 8,270 ,9832 JAS. TNS -835 6,357 ,7943 JSP. JSS -234 5,018 ,9260 JSP. JGP -1,794 5,290 ,5011 JSP. JSS -3,189 5,018 ,2094 JSP. TNP 1,898 8,364 ,6523 JSP, TNS 1,151 6,478 ;7242 JSS, JSP -2,028 5,018 ,4230 JSS, JSS -3,423 4,731 ,1536 JSS, TNS .917 6,259 ,7711 JSS, TNS .917 6,259 ,7711 JGP, TNP 3,692 8,364					
JAP. TNS					
J4S, J5P					
14S, J5S					
J4S. J6P -3,780 5,141 .1471 J4S. J6S -5,174 4,861 ,0373 S J4S. TNP -,087 8,270 ,9832 J4S. TNS -,835 6,357 ,7943 J5P. J5S .234 5,018 ,9260 J5P. J6P -1,794 5,290 ,5011 J5P. J6S -3,189 5,018 ,2094 J5P. TNP 1,898 8,364 ,6523 J5P. TNS 1,151 6,478 ,7242 J5S. J6P -2,028 5,018 ,4230 J5S. J6S -3,423 4,731 ,1536 J5S. TNP 1,664 8,195 ,6869 J5S. TNS ,917 6,259 ,7711 J6P. J6S -1,394 5,018 ,5813 J6P. TNP 3,692 8,364 ,3818 J6P. TNS 2,945 6,478 ,3678 J6S. TNP 5,087 8,195 ,2199 J6S. TNS 4,340 6,259 ,1712					
14S, J6S					
14S, TNP			5,141	.1471	
14S, TNS		-5,174	4,861	,0373	S
15P. J5S		-,087	8,270	.9832	
15P, J6P	J4S, TNS	-,835	6,357	,7943	
15P, J6S	J5P, J5S	.234	5,018	.9260	
15P. TNP	J5P, J6P	-1,794	5,290	,5011	
15P, TNP	J5P, J6S	-3,189	5,018	,2094	
15S, J6P	JSP, TNP	1,898	8,364		
15S, J6P	ISP, TNS	1,151	6,478	;7242	
JSS, J6S -3.423 4,731 ,1536 JSS, TNP 1,684 8,195 ,6869 JSS, TNS ,917 6,259 ,7711 J6P, J6S -1,394 5,018 ,5813 J6P, TNP 3,692 8,364 ,3818 J6P, TNS 2,945 6,478 ,3678 J6S, TNP 5,087 8,195 ,2199 J6S, TNS 4,340 6,259 ,1712	JSS, J6P	-2,028	5,018		
15S, TNP	JSS, J6S				
JSS, TNS .917 6,259 .7711 J6P, J6S .1,394 5,018 .5813 J6P, TNP 3,692 8,364 .3818 J6P, TNS 2,945 6,478 .3678 J6S, TNP 5,087 8,195 .2199 J6S, TNS 4,340 6,259 .1712	ISS, TNP				
J6P, J6S -1,394 5,018 ,5813 J6P, TNP 3,692 8,364 ,3818 J6P, TNS 2,945 6,478 ,3678 J6S, TNP 5,087 8,195 ,2199 J6S, TNS 4,340 6,259 ,1712	ISS, TNS				
36P, TNP 3,692 8,364 ,3818 36P, TNS 2,945 6,478 ,3678 36S, TNP 5,087 8,195 ,2199 36S, TNS 4,340 6,259 ,1712					
J6P, TNS 2,945 6,478 ,3678 J6S, TNP 5,087 8,195 ,2199 J6S, TNS 4,340 6,259 ,1712					
16S, TNP 5.087 8.195 .2199 16S, TNS 4.340 6.259 .1712					
J6S, TNS 4,340 6,259 ,1712					
.,747 9,162 ,8713					
	1:4F, 1N5	-,747	9,162	.8713	

FIG. 64A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	564,311	51,301	1,738	,0817	19,121	,801
Résidu	73	2154,478	29,513				

Tableau de moyennes pour TCRBV08.3

Effet: Groupe

Effet: Groupe					
	Nombre	Moyenne	Dév. Std.	Err. Std.	
CM+P	6	8,649	3,431	1,401	
CM+S	7	10,400	7,544	2,851	
J3P	5	4,319	1,074	,480	
J3S	4	5,041	1,346	,673	
J4P	10	5,428	3,063	,969	
J4S	9	3,465	1,420	,473	
J5P	8	6,072	2,450	,866	
J5S	10	3.777	1,722	,545	
J6P	10	10,578	12,746	4,031	
J6S	10	7,271	3,527	1,115	
TNP	2	4,127	,033	.023	
TNS	4	3,071	,500	,250	

FIG. 64B

Graphique des interactions pour TCRBV08.3

Effet: Groupe

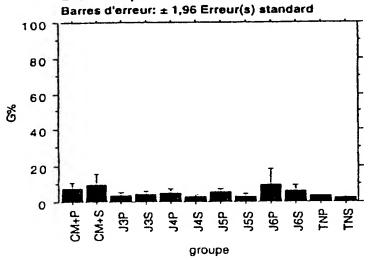


FIG.64C

	Diff. may.	Diff. crit.	Valeur p	
CM+P, CM+S	-1,751	6,024	.5841	
CM+P, J3P	4,330	6,556	,1922	
CM+P, J3S	3,608	6,989	3070	
CM+P, J4P	3,221	5,591	,2547	
CM+P, J4S	5,183	5,706	,0744	
CM+P, J5P	2,577	5,847	,3827	
CM+P, J5S	4,872	5,591	.0867	
CM+P, J6P	-1,930	5,591	,4938	
CM+P, J6S CM+P, TNP	4,522	5,591 8,840	,8249	
CM+P, TNS	5,578	6,989	,1160	
CM+S, J3P	6,081	6,340	,0598	
CM+S, J3S	5,359	6,786	,1199	
CM+S, J4P	4,972	5,336	,0673	
CM+S, J4S	6,935	5,456	,0135	S
CM+S, J5P	4,328	5,604	,1281	
CM+S, J5S	6,623	5,336	,0157	S
CM+S, J6P	-,178	5,336	,9471	
CM+S, J6S	3,129	5,336	,2463	
CM+S, TNP	6,273	8,681	,1541	_
CM+S, TNS	7,329	6,786		s
J3P, J3S	-,723	7,263	,8434	
J3P, J4P	-1,109	5,930	,7104 ,7790	
J3P, J4S	,853	6,039	,5730	
J3P, J5P J3P, J5S	-1,753 ,541	5,930	,8561	
J3P, J6P	-6,260	5,930	,0388	s
J3P. J6S	-2,953	5,930	,3243	
J3P, TNP	,192	9,059	,9664	
J3P, TNS	1,248	7,263	,7331	
J3S, J4P	-,387	6,405	,9046	
J3S, J4S	1,576	6,506	,6307	
J3S, J5P	-1,031	6,630	,7575	
J3S, J5S	1,264	6,405	,6952	
J3S, J6P	-5,537	6,405	,0892	
J3S, J6S	-2,230	6,405	,4900	
J3S, TNP	,915	9,377	.8464	
J3S, TNS	1,970	7,656	,6096	
J4P, J4S	1,963	4,975	,4342	
J4P, J5P	1,651	5,136	,4990	
J4P, J5S J4P, J6P	-5,150	4,842	.0374	s
J4P, J6S	-1,843	4,842	,4505	
J4P, TNP	1,301	8,387	,7580	
J4P, TNS	2,357	6,405	,4657	
J4S. J5P	-2,607	5,261	,3267	
J4S, J5S	-,312	4,975	,9009	
J4S, J6P	-7,113	4,975	,0057	S
J4S, J6S	-3,806	4,975	,1316	
J4S, TNP	-,661	8,464	,8767	
J4S, TNS	,394	6,506	,9042	
J5P, J5S	2,295	5,136	3761	
J5P, J6P	-4,506	5,136	,0846	
J5P, J6S	-1,198	5,136	,6431 ,6519	
JSP, TNP JSP, TNS	1,945	8,560 6,630	,3700	ŀ
J5P, 1NS J5S, J6P	3,001	4,842	,0065	s
J5S, J6S	-6,801 -3,494	4,842	,1547	ĺ
JSS, TNP	-,350		,9340]
JSS, TNS	.706		,8267]
J6P, J6S	3,307		,1776]
JSP, TNP	6,452		,1296	1
J6P, TNS	7,507		,0223	s
J6S, TNP	3,145		,4573	1
J6S, TNS	4,200	6,405		1
TNP, TNS	1,056	9,377	,8231	j

FIG. 64D

FIG.64E

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	2082,438	189,313	2,237	,0239	24,605	.900
Résidu	59	4993,532	84,636				

Tableau de moyennes pour TCRBV09

Effet : Groupe

Ellet . Glospe					
Nombre	Moyenne	Dév. Std.	Err. Std.		
6	32,449	11,856	4,840		
4	18,668	12,314	6,157		
5	15,347	3,162	1,414		
3	13,712	6,283	3,628		
9	16,677	7,101	2,367		
6	17,918	9,498	3,878		
7	20,567	6,361	2,404		
8	12,019	10,703	3,784		
9	16,190	10,703	3,568		
9	19,402	10,490	3,497		
2		,537	,380		
3	7,443	3,207	1,852		
	Nombre 6 4 5 3 9 6 7 8 9 9 2	Nombre Moyenne 6 32,449 4 18,668 5 15,347 3 13,712 9 16,677 6 17,918 7 20,567 8 12,019 9 16,190 9 19,402 2 15,419	Nombre Moyenne Dev. Std. 6 32,449 11,856 4 18,668 12,314 5 15,347 3,162 3 13,712 6,283 9 16,677 7,101 6 17,918 9,498 7 20,567 6,361 8 12,019 10,703 9 16,190 10,703 9 19,402 10,490 2 15,419 ,537		

FIG. 64F

Graphique des Interactions pour TCRBV09

Effet: Groupe

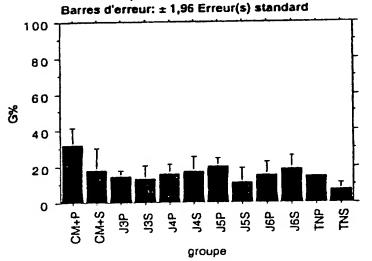


FIG. 64G

FIG. 64 H

	Diff. moy.		Valeur p	_
CM+P, CM+S	13,782	11,883		S
CM+P, J3P	, 17,102	11,147		S
CM+P, J3S	18,737	13,017		s s
CM+P, J4P	15,773	9,702		s S
CM+P, J4S CM+P, J5P	14,532	10,242		s
CM+P, J5S	20,431	9,942		s
CM+P, J6P	16,260	9,702	,0014	s
CM+P, J6S	13,047	9,702	,0093	s
CM+P, TNP	17,030	15,031	,0271	s
CM+P, TNS	25,006	13,017	,0003	S
CM+S, J3P	3,321	12,349	,5926	
CM+S, J3S	4,956	14,060	.4834	
CM+S, J4P	1,991	11,062	,7200	
CM+S, J4S	.750	11,883	.8999	
CM+S, J5P	-1,899	11,538	.7430	
CM+S, J5S	6,649	11,273	.2426	
CM+S, J6P	2,478	11,062	,6556	
CM+S, J6S	3,248	11,062	,6850	
CM+S, TNP CM+S, TNS	11,224	15,942	,1155	
J3P, J3S	1,635	13,444	,8086	
J3P, J4P	-1,329	10,268	,7965	
J3P, J4S	-2,570	11,147	,6462	
J3P, J5P	-5,220	10,779	,3365	
J3P, J5S	3,329	10,495	,5281	
J3P, J6P	-,842	10,268	,8702	
J3P, J6S	-4,055	10,268	,4326	
J3P. TNP	.,072	15,402	,9925	
J3P, TNS	7,904	13,444	,2442	
J3S, J4P	-2,965	12,272	,6306	
J3S, J4S	-4,206	13,017	,5205	
J3S, J5P	-6,855	12,703	.2846	
J3S, J5S	1,694	12,463	.7866	
J3S, J6P	-2,478	12,272	.6877	
J3S, J6S J3S, TNP	-5,690	12,272	,3573	
J3S, TNS	-1,707	15,031	.4073	
J4P, J4S	6,269	9,702	,7989	
J4P, J5P	-3,890	9,277	,4048	
J4P, J5S	4,658	8,945	,3017	
J4P, J6P	,487	8,678	,9110	
J4P, J6S	-2,726	8,678	,5321	
J4P, TNP	1,257	14,391	,8618	
J4P, TNS	9,233	12,272	,1375	
J4S, J5P	-2,649		,6067	
J4S, J5S	5,899	9,942	.2399	
J4S, J6P	1,728	9,702	,7228	
J4S, J6S	-1,484	9,702	.7606	
J4S, TNP	2,498	15,031	.7406	
J4S, TNS	10,474	9,527	,1127	i
J5P, J5S J5P, J6P	8,549 4,377	9,277	,3489	
J5P, J6S	1,165	9,277	,8025	ĺ
JSP, TNP	5,148		.4880	
J5P, TNS	13,124		.0431	s
J5S, J6P	-4,171		,3546	1
J5S, J6S	-7,384		,1039]
JSS, TNP	-3,401		.6418	Į
JSS, TNS	4,575	12,463	.4655	ļ
J6P, J6S	-3,213		.4618	1
JSP, TNP	.770		,9151	-
JEP, TNS	8,746		,1591	-
J6S, TNP	3,983		,5818	┨
J6S, TNS	11,959		,0560	1
TNP, TNS	7,976	16,805	,3461	J

FIG. 65A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	490,945	44,631	,454	,9251	4,991	,223
Résidu	71	6984,585	98,374				

Tableau de moyennes pour TCRBV10 Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	10,175	3,320	1,355
CM+S	7	7,994	3,656	1,382
J3P	5	9,884	9,834	4,398
J3S	5	8,409	7,889	3,528
J4P	9	8,062	7,645	2,548
J4S	9	5,909	1,975	,658
J5P	9	7,336	6,956	2,319
J5S	9	9,596	8,867	2,956
J6P	10	14,088	22,489	7,112
J6S	9	9,281	4,212	1,404
TNP	2	6,434	1,017	.719
TNS	3	3,943	1,407	,812

FIG. 65B

Graphique des interactions pour TCRBV10

Effet : Groupe

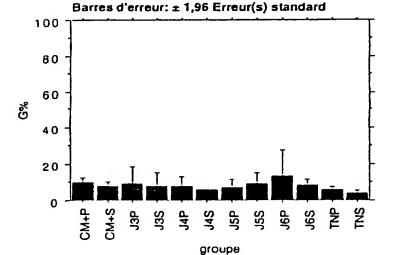


FIG.65C

	Diff. moy.	Diff. crit.	Valeur p
CM+P, CM+S	2,180	11,003	,6939
CM+P, J3P	,291	11,975	,9615
CM+P, J3S	1,766	11,975	,7696
CM+P, J4P	2,113	10,423	,6873
CM+P, J4S	4,266	10,423	,4172
CM+P, J5P	2,838	10,423	.5886
CM+P, J5S	,579	10,423	.9122
CM+P, J6P	-3,913	10,213	,4474
CM+P, J6S	,894	10,423	,8647
CM+P, TNP	3,741	16,148	,6456
CM+P, TNS	6,232	13,984	,3772
CM+S, J3P	-1,890	11,580	,7459 ,9433
CM+S, J3S CM+S, J4P	-,415 -,067	9,987	.9893
CM+S, J4F	2,086	9,967	,8778
CM+S, J5P	,658	9,967	,8956
CM+S, J5S	-1,602	9,967	,7498
CM+S, J6P	-6,093	9,746	,2166
CM+S, J65	-1,286	9,967	,7977
CM+S, TNP	1,560	15,857	,8450
CM+S, TNS	4,052	13,647	,5557
J3P. J3S	1,475	12,508	,8148
J3P, J4P	1,822	11,031	,7428
#3P, J4S	3,975	11,031	,4748
J3P, J5P	2,548	11,031	,6465
J3P, J5S	,288	11,031	,9586
J3P, J6P	-4,204	10,832	,4416
J3P, J6S	.603	11,031	,9135 ,6789
J3P, TNP J3P, TNS	3,450 5,941	16,546	,4148
J3F, 1145 J3S, J4P	,347	11,031	.9501
J3S, J4S	2,500	11,031	,6527
J3S, J5P	1,073	11,031	,8468
J3S, J5S	-1,187	11,031	,8307
J3S, J6P	-5,679	10,832	,2994
J3S, J6S	-,872	11,031	,8752
J3S, TNP	1,975	16,546	,8126
J3S, TNS	4,466	14,443	,5395
J4P, J4S	2,153	9,323	;6466
J4P, J5P	.726	9,323	,8771
J4P, J5S	-1,534	9,323	,7438
J4P, J6P	-6,026	9,087	,1903
J4P, J6S J4P, TNP	-1,219	9,323	,7951 ,8343
J4P, TNS	1,628	15,460	,5353
J4S. J5P	-1,427	9,323	,7610
J4S, J5S	-3,687	9,323	,4330
J4S, J6P	-8,179	9,087	.0770
J4S, J6S	-3,372	9,323	,4732
J4S, TNP	-,525	15,460	,9462
J4S, TNS	1,966	13,184	,7671
JSP, JSS	-2,260	9,323	,6304
J5P. J6P	-6,751	9,087	,1429
JSP, J6S	-1,944	9,323	,6788
JSP, TNP	,902	15,460	,9077
JSP, TNS	3,394	13,184	,6094
J5S, J6P	-4,492	9,087	,3277
J5S, J6S	,315	9,323	,9464
JSS, TNP	3,162	15,460	,6847
JSS, TNS	5,653	13,184	,3954
J6P. J6S	4,807	9,087	,2951
J6P, TNP	7,653	15,319	,3225
JEP, TNS	10,145	13,019	7146
J6S, TNP J6S, TNS	5 338	15,460	,7146
TNP, TNS	5,338 2,492	18,054	,7840
, 1140		,	1,1040

FIG. 65D

FIG.65E

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	417,530	37,957	1,770	,0767	19,473	.806
Résidu	68	1458,032	21,442				

Tableau de moyennes pour TCRBV11

Effet: Groupe

2.10.1 - 10.25.					
	Nombre	Moyenne	Dév. Std.	Err. Std.	
CM+P	6	16,209	6,803	2,777	
CM+S	7	11,705	4,930	1,863	
J3P	5	8,778	4,081	1,825	
J3S	5	10,993	6,723	3,007	
J4P	9	9,435	5,363	1,788	
J4S	8	9,870	4,441	1,570	
J5P	8	8,500	2,323	,821	
J5S	9	10,472	3,326	1,109	
J6P	9	13,144	4,194	1,398	
J6S	9	11,466	4,765	1,588	
TNP	2	7,048	3,828	2,707	
TNS	3	6,057	1,005	,580	

FIG. 65F

Graphique des Interactions pour TCRBV11

Effet: Groupe

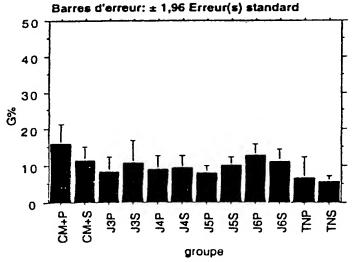


FIG. 65G

FIG. 65 H

			Valeur p	
CM+P, CM+S	4,504	5,141	,0849	s
CM+P, J3P	7,432	5,595 5,595	,0672	•
CM+P, J3S CM+P, J4P	5,216 6,775	4,870	,0071	s
CM+P, J4S	6,339	4,990	,0136	s
CM+P, J5P	7,709	4,990	,0030	s
CM+P, J5S	5,737	4,870	,0216	S
CM+P, J6P	3,066	4,870	,2134	
CM+P, J6S	4,743	4,870	,0561	
CM+P, TNP	9,162	7,544	,0181	S
CM+P, TNS	10,152	6,534	,0026	S
CM+S, J3P	2,927	5,410	,2841	ł
CM+S, J3S	.712	5,410	,7937 ,3340	1
CM+S, J4P	2,270	4,657 4,782	,4466	1
CM+S, J4S	1,835 3,205	4,782	1855	1
CM+S, J5P CM+S, J5S	1,233	4,657	,5990	1
CM+S, J6P	-1,439	4,657	,5396	1
CM+S, J6S	.239	4,657	,9187]
CM+S, TNP	4,657	7,409	,2140]
CM+S, TNS	5,648	6,376	,0816	1
J3P, J3S	-2,216	5,844	,4519	4
J3P. J4P	-,657	5,154	,8000	_
J3P, J4S	-1,093	5,266	,6802	_
J3P, J5P	,278	5,268	,9165	3
J3P, J5S	-1,695	5,154		_
J3P, J6P	-4,366	5,154	,0955	7
J3P, J6S	-2,688	5,154 7,731	1	⊣ .
J3P, TNP	1,730 2,720	6,748		_
J3P, TNS J3S, J4P	1,559	5,154		7
J3S, J4S	1,123	5,268		_
J3S, J5P	2,493	5,268		_,
J3S, J5S	,521	5,154		2
J3S, J6P	-2,150	5,154		
J3S, J6S	-,473	5,154		
J3S, TNP	3,946	7,731		
J3S, TNS	4,936	6,748		_
J4P, J4S	•,436	4,490		
J4P, J5P	,935			_
J4P, J5S	-1,038	4,356		_
J4P, J6P	-3,709 -2,031	4,35	T	_
J4P, J6S J4P, TNP	2,387			_
J4P, TNS	3,377			_
J4S, J5P	1,370			9
J4S, J5S	-,602		0 ,789	9
J4S, J6P	-3,273		0 ,150	3
J4S, J6S	-1,596			7
J4S, TNP	2,823	7,30	5 ,443	3
J4S; TNS	3,813			_
J5P; J5S	-1,972			
J5P, J6P	-4,644			_1
J5P, J6S	-2,966			
JSP, TNP	1,452			
JSP, TNS	2,443			
J5S, J6P	-2,67		-	
JSS, J6S	3,42			
J5S, TNP J5S, TNS	4,41			_
J6P, J6S	1,67	$\overline{}$		
J6P, TNP	6,09			
JEP, TNS	7,08			
J6S, TNP	4,41			65
J6S, TNS	5,40			
TNP, TNS	.99	0 B,4	35 .81	54

FIG. 66A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance	
Groupe	11	847,506	77,046	1,734	,0835	19,078	,7 97	
Résidu	70	3109,660	44,424				<u></u> j	

Tableau de moyennes pour TCRBV12

Effet : Groupe

2.101 . G.0-P				
	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	5	31,373	13,011	5,819
CM+S	7	23,583	6,355	2,402
J3P	5	16,521	4,564	2,041
J3S	5	22,474	7,502	3,355
J4P	10	20,547	4,914	1,554
J4S	8	20,444	3,354	1,186
J5P	9	21,202	7,031	2,344
J5S	10	20,410	3,361	1,063
J6P	В	23,789	7,661	2,709
J6S	9	19,862	4,989	1,663
TNP	2	21,202	1,749	1,237
TNS	4	27,005	12,590	6,295

FIG. 66B



Effet : Groupe

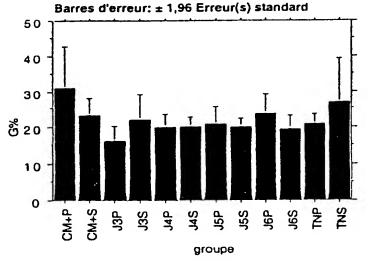


FIG.66C

		Diff. crit.	Valeur p	
CM+P, CM+S	7,790	7,784	.0498	S
CM+P, J3P	14,851	8,407 B,407	.0008	s
CM+P, J3S CM+P, J4P	8,899 10,825	7,281	,0041	s
CM+P, J4S	10,928	7,578	,0053	s
CM+P, J5P	10,170	7,415	,0079	s
CM+P, J5S	10,963	7,281	,0037	s
CM+P, J6P	7,584	7,578	,0498	s
CM+P, J6S	11,511	7,415	,0028	s
CM+P, TNP	10,171	11,122	,0724	
CM+P, TNS	4,368	8,917	,3320	
CM+S, J3P	7,062	7,784	,0747	
CM+S, J3S	1,109	7,784	,7770	
CM+S, J4P	3,036	6,551	,3586	
CM+S, J4S	3,139	6,880	,3660	
CM+S, J5P	2,381	6,699	,4808 ,3374	ŀ
CM+S, J5S	3,173	6,551	,9525	
CM+S, J6P CM+S, J6S	-,206	6,880	.2718	
CM+S, TNP	3,721 2,381	10,658	.6573	
CM+S, TNS	-3,422	8,332	,4155	
J3P, J3S	-5,952	8,407	,1624	
J3P, J4P	-4,026	7,281	,2739	
J3P, J4S	-3,923	7,578	,3054	
J3P. J5P	-4,681	7,415	,2122	
J3P, J5S	-3,889	7,281	,2904	
J3P, J6P	-7,268	7,578	,0599	
J3P, J6S	-3,341	7,415	,3719	
J3P, TNP	-4,680	11,122	,4041	_
J3P, TNS	-10.484	8,917	,0219	S
J3S, J4P	1,926	7,281	,5994	
J3S, J4S	2,029	7,578	,5950 ,7334	
J3S, J5P J3S, J5S	2,063	7,415	,5737	
J3S, J6P	-1,316	7,578	,7302	İ
J3S, J6S	2,611	7,415	,4847	
J3S, TNP	1,272	11,122	,8203	
J3S, TNS	-4,532	8,917	,3143	
J4P, J4S	,103	6,305	,9741	
J4P, J5P	•,655	6,108	,8313	
J4P, J5S	,137	5,945	,9634	
J4P, J6P	-3,242	6,305	,3087	
J4P, J6S	,685	6,108	,8236	
JAP, TNP	-,654	10,297 7,864	,8995 ,1060	
J4P, TNS J4S, J5P	-6,458 -,758	8,459	.8156	
J4S, J5S	,034	6,305		l
J4S, J6P	-3,345	6,647	,3190	
J4S, J6S	,582	6,459	,8579	ı
J4S, TNP	•,757	10,509	,8861	
J4S, TNS	-6,561	8,140	,1125	ļ
JSP. JSS	,792	6,108	,7966	ı
J5P. J6P	-2,587	6,459	,4271	
J5P, J6S	1,340	6,266	,6710	l
JSP, TNP	,001	10,392	>,9999	
J5P, TNS	-5,803	7,988	,1519	ł
J5S, J6P J5S, J6S	-3,379	6,305	,2888 ,8585	1
	,548	6,108	.8786	1
JSS, TNP JSS, TNS	-,792	7,864	,0989	1
J6P, J6S	-6,595 3,927	6,459	,2294	1
JOP, TNP	2,587	10,509	,6249	1
J6P, TNS	-3,216	8,140	,4334	1
J6S, TNP	-1,340		,7979	1
J6S, TNS	-7,143	7,988	,0789]
TNP, TNS	-5,803	11,512	,3182]

FIG. 66D

FIG.66E

	ddi	Somme des carres	carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe		569,770	51,797	1,658	,1019	18,243	,773
Résidu		2155,053	31,233				

Tableau de moyennes pour TCRBV13

Effet: Groupe

Ellet: Gloabe							
	Nombre	Moyenne	Dév. Std.	Err. Std.			
CM+P	6	16,053	8,177	3,338			
CM+S	7	9,454	2,239	,846			
J3P	5	12,093	11,473	5,131			
J3S	4	7,463	2,623	1,312			
J4P	9	8,545	3,606	1,202			
J4S	9	8,837	4,734	1,578			
J5P	9	12,000	6,015	2,005			
J5S	8	11,132	5,742	2,030			
J6P	8	10,075	3,850	1,361			
J6S	10	9,057	3,207	1,014			
TNP	2	16,242	15,161	10,720			
TNS	4	4,103	2,133	1,067			

FIG. 66F

Graphique des Interactions pour TCRBV13

Effet : Groupe

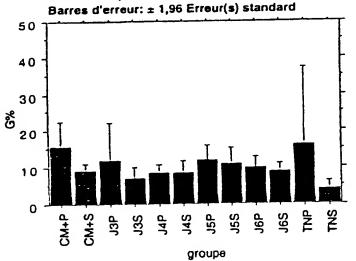


FIG. 66G

FIG.	66	H

	Oit mov	Oitt	, crit.	Val	eur p		
CM+P, CM+S	6,600		6,203		0374	s	
CM+P, J3P	3,960	_	6,751	_	2459		
CM+P, J3S	8,590	_	7,197		0200	s	
CM+P, J4P	7,508		5,876	_,	0130	S	
CM+P, J4S	7,216		5,876		0168	S	
CM+P, J5P	4,053		5,876		1733		
CM+P, JSS	4,921		6,021		1076		
CM+P, J6P	5,978		6,021		0516		
CM+P, J6S	6,996		5,757	_	0180	S	
CM+P, TNP	-,189		9,103	_	9670	_	
CM+P, TNS	11,951		7,197	_	,0015	s	
CM+S, J3P	-2,640	_	6,528		.4227 .5717		
CM+S, J3S	1,991	-	6,988		.7479	,	
CM+S, J4P	,909 ,616	_	5,619		.8274		
CM+S, J4S	-2,547	┝─	5,619		,3690		
CM+S, J5P CM+S, J5S	-1,679		5,770	Г	,5635		
CM+S, J6P	-,621	\vdash	5,770		,8305		
CM+S, J6S	,396		5,494		,8860	1	
CM+S, TNP	-6,789		8,939		,1343	1	
CM+S, TNS	5,351		6,988	L	,1312	ļ	
J3P, J3S	4,630	_	7,479	 _	,2210		
J3P, J4P	3,548	<u> </u>	6,219	L	,2589	ł	
J3P. J4S	3,256	⊢	6,219	⊢	,2999	ł	
J3P, J5P	.093	 	6,219	╀	,9763	1	
J3P, J5S	,961	-	8,356	╀	.7639	┨	
J3P, J6P	2,018	╁	6,356	╀	,5286	1	
J3P, J6S	3,036	╀	6,107	╁╌	,3779	1	
J3P, TNP	-4,149	+-	9,328 7,479	1	,0366	s	
J3P, TNS	7,991	+-	6,700	_	,7483	1	
J3S, J4P J3S, J4S	-1,374	1	6,700	7	,6837	1	
J3S, J4S J3S, J5P	-4,537		6,700	_	,1811	1	
J3S, J5S	-3,669	$\overline{}$	6,827	_	.2874	1	
J3S, J6P	-2,612	\neg	6,827	$\overline{}$,4479]	
J3S, J6S	-1,594	\prod	6,596		,6312	1	
J3S, TNP	-8,779	\perp	9,655	L	,0740	4	
J3S, TNS	3,360		7.884	<u> </u>	,3981	4	
J4P, J4S	.,292	<u>: </u>	5,256	1	,9120	_	
J4P, J5P	-3,456		5,256	$\overline{}$,1940	-1	
J4P, J5S	-2,588	- 1	5,417		,3440	_	
J4P, J6P	-1,530	_	5,41	_	,5749	_	
J4P, J6S	-,512 -7,698	_	5,123 8,710	_	,082	٦.	
J4P, TNP J4P, TNS	4,44		6,70		,1903	_	
J4S, J5P	-3,16		5,25		,2340	_	
J4S, J5S	-2,29		5,41		,4009		
J4S, J6P	-1,23		5,41		,6499	9	
J4S, J6S	-,22	0	5,12	3	,932	믜	
J4S, TNP	-7,40	5	8,71	6	,094	В	
J4S, TNS	4,73	5	6,70	이	,163	_	
J5P, J5S	,86	В	5,41		,750	-	
J5P, J6P	1,92		5,41		,480	- 1	
J5P, J6S	2,94	_	5,12	-1	,255		
JSP, TNP	·4,24	- 1	8,71		.021		:
J5P, TNS	7,89		6,70 5,57	- 1	.706	-1	
J5S, J6P J5S, J6S	1,05		5,28		,436		
J55, J65 J5S, TNP	-5,11		8,81	_	,251		
JSS, TNF	7,03	\neg	6,82		,043		S
J6P, J6S	1,01		5,2		,702		
JEP, TNP	-6,10		8,8		,167		
JEP, TNS	5.9	$\neg \neg$	6,8	27	,089	54	
J6S, TNP	-7,11		8,6	36	,10	15	
J6S, TNS	4,9		6,5		,13		_
TNP, TNS	12.1	40	9,6	55	,01	45]	s

FIG. 67A

	ddi	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	231,107	21,010	1,322	.2319	14,537	,647
Résidu	68	1081,036	15,898				

Tableau de moyennes pour TCRBV14

Effet : Groupe

Lilot . G	loupe			
	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	6	10,551	5,149	2,102
CM+S	7	7,043	1,990	,752
J3P	5	4,884	1,269	,567
J3S	4	4,908	2,004	1,002
J4P	93	6,371	3,227	1,076
J4S	9	5,163	2,562	,854
J5P	В	6,045	1,246	,440
J5S	9	5,140	1,601	,534
J6P	9	8,980	8,696	2,899
J6S	8	7,619	4,177	1,477
TNP	2	5,030	,384	,271
TNS	4	5,486	1,990	,995

FIG. 67B

Graphique des interactions pour TCRBV14

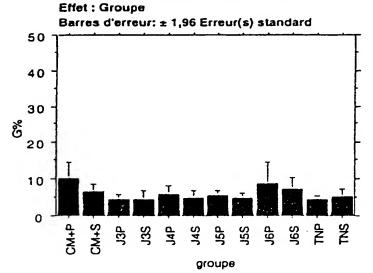


FIG.67C

. 1	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	3,508	4,426	,1184	
CM+P, J3P	5,668	4,818	.0218	s s
CM+P, J3S	5,843	5,136 4,193	,0507	3
CM+P, J4P	4,180 5,388	4,193	,0126	s
CM+P, J4S CM+P, J5P	4,506	4,297	,0401	S
CM+P, J5S	5,411	4,193	.0122	s
CM+P, J6P	1,571	4,193	.4573	
CM+P, J6S	2,932	4,297	,1778	
CM+P, TNP	5,521	6,496	,0945	
CM+P, TNS	5,066	5,136	,0531	
CM+S, J3P	2,160	4,659	,3582	
CM+S, J3S	2,135	4,987	,3959	
CM+S, J4P	,673	4,010	,7389	
CM+S, J45	1,880	4,010	,3527	
CM+S, J5P	,998	4,118	,6300 ,3469	
CM+S, J5S	1,903	4,010	,3385	
CM+S, J6P	-1,937 -,576	4,118	.7810	
CM+S, J6S CM+S, TNP	2,013	6,379	,5310	
CM+S, TNS	1,558	4,987	,5351	
J3P, J3S	-,025	5,337	,9926	I
J3P. J4P	-1,487	4,438	,5059	į
J3P, J4S	-,280		.9003	l
J3P, J5P	-1,161	4,536	,6111	Į.
J3P, J5S	-,256			ł
J3P, J6P	-4,097			1
J3P, J6S	-2,736		,2329 ,9651	1
J3P, TNP	-,147	6,657 5,337		×
J3P, TNS	-1,462			1
J3S, J4P J3S, J4S	-,255			1
J3S, J5P	-1,137			1
J3S, J5S	.,232]
J3S, J6P	-4,072		,0938]
J3S, J6S	-2,711	4,872		1
J3S, TNP	-,122	6,890		4
J3S, TNS	-,577			4
J4P, J4S	1,208			-
J4P, J5P	,326			┨
J4P, J5S	1,231			٦.
J4P. J6P	-2,609			_
J4P, J6S J4P, TNP	1,341			
J4P, TNS	.88			
J4S, J5P	.,88			_
J4S. J5S	,023			
J4S, J6P	-3,817		,0462	s
J45, J6S	-2,45		2092	4
J4S, TNP	,13			٦.
J4S, TNS	.,32			_
J5P, J5S	,90			_
J5P. J6P	-2,93			~
J5P, J6S	-1,57			_
JSP, TNP	1,01			_
JSP. TNS	,55			
J5S, J6P J5S, J6S	-3,84 -2,47			-1
J55, J65 J5S, TNP	.11			_
JSS, TNS	-,34			_
J6P. J6S	1,36			_
J6P, TNP	3,95			
JEP, TNS	3,49			
J6S, TNP	2,58		0 ,414	_1
J6S, TNS	2,13		_T	_
TNP, TNS	-,45	6,89	.895	<u>5</u> J

FIG. 67D

FIG.67E

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	475,725	43,248	2,120	,0299	23,320	.888
Résidu	69	1407,598	20,400				

Tableau de moyennes pour TCRBV15

Effet : Groupe

Ellet . Gloupe							
	Nombre	Moyenne	Dév. Std.	Err. Std.			
CM+P	6	12,587	5,913	2,414			
CM+S	7	6,161	3,839	1,451			
J3P	5	6,724	2,971	1,328			
J3S	4	3,964	,921	,460			
J4P	10	5,431	1,557	.492			
J4S	9	5,088	2,335	,778			
J5P	7	5,730	1,647	,622			
J5S	10	5,626	1,858	,587			
J6P	7	9,920	8,566	3,238			
JBS	10	9,571	7,765	2,456			
TNP	2	4,499	1,572	1,112			
TNS	4	4,683	1,664	,832			

FIG. 67F

Graphique des interactions pour TCRBV15

Effet : Groupe

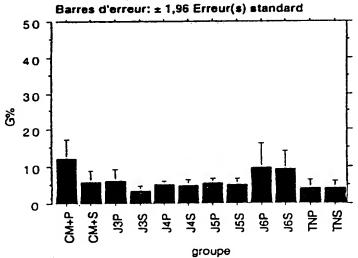


FIG. 67G

FIG. 67 H

CM+P, CM+S 6,426 5,013 ,0128 S CM+P, J3P 5,863 5,456 ,0356 S CM+P, J3S 8,623 5,816 ,0042 S		Diff, moy.	Diff. crit.	Valeur p	
CM+P, J3S CM+P, J4P CM+P, J4P CM+P, J4S CM+P, J5P CM+S, J5P CM+S,	CM+P, CM+S				s
CM+P, JAP	CM+P, J3P	5,863	5,456	,0356	s
CM-P, J4S	CM+P, J3S		5,816	,0042	
CM+P, JSP	CM+P, J4P				
CM+P, J5S	•				
CM+P, J6P	-				
CM+P, J6S CM+P, TNP 6,088 7,357 CM+P, TNS CM+P, TNS 7,904 5,816 0,0085 CM+S, J3P -,562 CM+S, J3S CM+S, J3S CM+S, J4P -,730 CM+S, J4S CM+S, J4S CM+S, J5P -,311 CM+S, J5P -,311 CM+S, J5P -,311 CM+S, J6S CM+S, J6P -3,758 -3,409 -4,440 -1,302 CM+S, TNP -1,662 -2,24 -3,647 CM+S, TNS -3,140 -3,146 -3,156 -3,166 -3,					5
CM+P, TNP CM+P, TNS CM+P, TNS CM+P, TNS CM+S, J3P CM+S, J3P CM+S, J3P CM+S, J3P CM+S, J3P CM+S, J4P CM+S, J4P CM+S, J4P CM+S, J4S CM+S, J4S CM+S, J4S CM+S, J5S CM+S, J5S CM+S, J5S CM+S, J5S CM+S, J5S CM+S, J5S CM+S, J5S CM+S, J5S CM+S, J6P CM+S,					
CM+P, TNS CM+S, J3P CM+S, J3P CM+S, J3P CM+S, J4P CM+S, J4P CM+S, J4S CM+S, J4P CM+S, J4S CM+S, J4S CM+S, J5P A-31 CM+S, J4S CM+S, J5P A-31 CM+S, J5P A-31 CM+S, J5P A-31 CM+S, J5P A-31 CM+S, J5P A-31 CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, J6P CM+S, TNP 1.662 CM+S, TNP 1.662 CM+S, TNP 1.662 CM+S, TNP 1.672 CM+S, TNS 1.476 5.648 6.033 J3P, J3S 2.760 6.044 .3655 J3P, J4P 1.292 4.935 .6030 J3P, J5P J3S, J4P -1.468 5.331 5.846 J3S, J4P -1.468 5.331 5.846 J3S, J5P -1.766 5.648 .0390 S J3S, J6P -5.956 5.648 .0390 S J3S, J6P -5.956 5.648 0.390 S J3S, TNP -5.35 7.803 .8915 J3S, TNP -5.35 7.803 .8915 J3P, J5P J4P, J5P -2.99 4.440 .8937 J4P, J5P J4P, J5P -2.99 4.440 .8937 J4P, J5P J5P J5P J5P J5P J5P J5P J5P J5P J5P					s
CM+S, J3P CM+S, J3S CM+S, J4P CM+S, J4P CM+S, J4S CM+S, J5P CM+S, J5P CM+S, J5P CM+S, J5P CM+S, J5P CM+S, J6P CM+S, J6P CM+S, J6S CM+S, TNP 1,662 CM+S, TNP 1,662 CM+S, TNP 1,662 CM+S, TNS 1,478 1,635 1,635 1,924 1,635 1,924 1,635 1,926 1,934 1,635 1,926 1,934 1,635 1,926 1,934 1,935 1,938 1,635 1,936 1,939 1,939 1,635 1,939 1,635 1,938 1,635 1,936 1,936 1,937 1,938 1,635 1,036 1,036 1,038 1,039 1,04 1,040 1,040 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,030 1,041 1,041 1,030 1,041					s
CM+S, J4P					
CM+S, JSP CM+S, JSP CM+S, JSP CM+S, JSS CM+S, JSS CM+S, JSS CM+S, JSS CM+S, JSS CM+S, JSS CM+S, JSP CM+S, JSS CM+S, JSP CM+S, JSS CM+S, JSP CM+S, JSP CM+S, JSP CM+S, JSP CM+S, JSP CM+S, JSP CM+S, JSP CM+S, JSP CM+S, JSP CM+S, JSP CM+S, JSP CM+S, TNP 1,662 CM+S, TNP 1,662 CM+S, TNP 1,478 5,648 6,033 J3P, J3S 2,760 6,044 3,655 J3P, J4P 1,292 4,935 6,030 J3P, J4S 1,635 5,026 5,184 J3P, J5P 1,994 5,276 7,082 J3P, J5P 1,098 4,935 6,567 J3P, J5P J3P, J5P 1,098 4,935 6,5687 J3P, JSP J3P, JSP 1,098 4,935 6,5687 J3P, JSP J3P, JSP 2,225 7,539 5,560 J3P, TNP 2,225 7,539 5,560 J3P, TNS 2,041 6,044 5,029 J3S, JSP -1,468 5,331 5,846 J3S, JSP -1,468 5,331 5,846 J3S, JSP -1,766 5,648 5,348 J3S, JSP J3S, JSP -1,766 5,648 0,390 S J3S, JSP -1,662 5,331 5,359 J3S, JSP J3S, JSP -5,956 5,648 0,390 S J3S, TNP -5,956 5,648 0,390 S J3S, TNP -5,956 5,648 0,390 S J3S, TNP -5,956 7,803 6,915 S J3S, TNP -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,195 4,139 4,030 -0,0442 S J4P, J5P -2,642 4,541 7,789 J4S, J5P -6,642 4,541 7,789 J4S, J5P J5P, J5P -6,642 4,541 7,789 J4S, J5P J5P,	CM+S, J3S	2,198	5,648	,4403	
CM+S, J5P CM+S, J5S CM+S, J5S CM+S, J5S CM+S, J6P CM+S, J6S CM+S, J6S CM+S, J6S CM+S, J6S CM+S, J6S CM+S, J6S CM+S, TNP CM+S, TNP CM+S, TNP 1,662 CM+S, TNP CM+S, TNS 1,478 5,648 6,033 J3P, J3S 2,760 6,044 3,655 J3P, J4P 1,292 4,935 6,030 J3P, J4S 1,635 5,026 5,184 J3P, J5P J3P, J5S 1,098 4,935 6,567 J3P, J5S 1,098 4,935 6,567 J3P, J6P -3,196 5,276 2,2310 J3P, J6S -2,847 4,935 2,258 J3P, TNP 2,225 7,539 J3S, J4P -1,468 5,331 5,866 J3S, J4S -1,125 5,415 6,799 J3S, J5P -1,766 5,648 5,331 5,349 J3S, J5S -1,662 5,331 5,349 J3S, J5S -1,662 5,331 5,349 J3S, J5S -1,662 5,331 5,349 J3S, J5S -5,607 5,331 0,395 S J3S, TNP J3S, TNP -5,555 7,803 6,8915 J3S, TNP J3S, TNS -7,719 6,371 8,224 J4P, J4S 3,43 4,140 8,692 J4P, J5P -2,99 4,440 8,937 J4P, J5S -1,956 4,030 9,234 J4P, J6P -4,488 4,440 0,476 S J4P, J6P -4,488 4,440 0,476 S J4P, J6P -4,488 4,440 0,476 S J4P, J6P -4,488 4,440 0,476 S J4P, J6P -4,488 4,440 0,476 S J4P, J6P -4,481 4,541 0,374 S J4S, J5P -642 4,541 7,789 J4S, J5P -7,642 4,648 4,440 0,659 J4P, J5P J5P J5P J5P J5P J5P J5P J5P J5P J5P	CM+S, J4P	,730	4,440		
CM+S, J5S CM+S, J6P -3,758 -3,409 -3,409 -4,440 -3,1302 CM+S, TNP -3,662 -3,224 -6,477 CM+S, TNS -3,409 -4,440 -3,033 J3P, J3S -2,760 -3,044 -3,655 J3P, J4P -1,292 -3,94 -3,158 -3,409 -4,935 -6,033 J3P, J3S -2,760 -3,044 -3,655 J3P, J4P -3,196 -4,139 -4,139 -4,030 -4,486 -4,139 -4,030 -4,486 -4	CM+S, J4S		4,541		
CM+S, J6P CM+S, J6S -3,409 4,440 .1302 CM+S, TNP 1,662 7,224 .6477 CM+S, TNS 1,478 5,648 .6033 J3P, J3S 2,760 6,044 .3655 J3P, J4P 1,292 4,935 .6030 J3P, J4S 1,635 5,026 .5184 J3P, J5P .994 5,276 .7082 J3P, J5S 1,098 4,935 .6587 J3P, J6P -3,196 5,276 .2310 J3P, J6S J3P, TNP 2,225 7,539 .5580 J3P, TNP 2,225 7,539 .5580 J3S, J4P -1,468 5,331 .5846 J3S, J4S -1,125 5,415 .6799 J3S, J5P -1,766 5,648 .0390 S J3S, J6P -5,956 5,648 .0390 S J3S, TNP -535 7,803 .8915 J3P, J6P -4,488 4,440 .0476 S J4P, J6P -4,488 4,440 .0476 S J4P, TNP .932 6,979 .7907 J4P, TNS .748 5,331 .7803 J4S, J5P -4,488 4,440 .0476 S J4S, J5P -642 4,541 .7789 J4S, J5S -5,38 J4S, J6P -4,831 J4S, J6P J5P, J6S J3841 J440 J6860 J5P, TNP J2S, J6P -4,190 J4B, J6P J724 J7350 J5P, J6S J3841 J490 J6P, TNP J6S, J844 J697 J7483 J6S, J6P J7483 J6S, J6P J7483 J725 J759					
CM+S, J6S					
CM+S, TNP CM+S, TNS 1,478 5,648 6,6033 J3P, J3S 2,760 6,044 3655 J3P, J4P 1,292 4,935 5,026 5,184 J3P, J5P 1,994 5,276 7,082 J3P, J5S 1,098 4,935 6,687 J3P, J6P -3,196 5,276 2310 J3P, J6S -2,847 4,935 2,538 J3P, TNP 2,225 7,539 5,580 J3P, TNS 2,041 6,044 5,029 J3S, J4P -1,468 5,331 5,846 J3S, J4S -1,125 5,415 6,799 J3S, J5P -1,768 5,648 5,331 5,348 J3S, J5P -1,768 5,648 5,331 5,348 J3S, J5P -1,768 5,648 5,331 5,348 J3S, J5P -1,768 5,648 5,331 5,348 J3S, J5P -1,768 5,648 6,0390 S J3S, TNP -5,535 7,803 8,915 J3S, TNP -5,535 7,803 8,915 J4P, J4S 3,43 4,140 8,692 J4P, J5P -2,99 4,440 8,937 J4P, J5P -2,195 4,030 9,234 J4P, J6P -4,488 4,440 0,0476 S J4P, TNP 9,322 6,979 7,907 J4P, TNS 7,48 5,331 7,789 J4S, J5S -5,38 4,140 7,769 J4S, J5S -5,38 4,140 7,963 J4S, J6S -4,482 4,140 0,343 S J4S, TNP -5,589 7,044 8,680 J4S, TNP 5,589 7,044 8,680 J4S, TNP 1,581 7,044 7,680 J5P, J6P -4,190 4,816 0,871 J5P, J6S -3,841 4,440 0,0869 J5P, TNP 1,231 7,224 7,350 J5P, TNS 1,047 5,648 7,127 J5S, J6P -4,293 4,440 ,0579 J5S, TNS J5S, TNS J5S, TNS J6P, TNP 1,231 7,224 7,350 J5P, TNP 1,231 7,224 1,390 J5P, TNP 1,231 7,2					
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J3P, TNS 2,041 6,044 ,5029 J3S, J4P -1,468 5,331 ,5846 J3S, J4S -1,125 5,415 ,6799 J3S, J5P -1,766 5,648 ,5348 J3S, J5P -1,662 5,331 ,5359 J3S, J6P -5,956 5,648 ,0390 S J3S, J6P -5,956 5,648 ,0390 S J3S, TNP -5,956 5,648 ,0390 S J3S, TNP -5,956 7,803 ,6915 J3S, TNP -5,35 7,803 ,6915 J3S, TNP -5,35 7,803 ,6915 J4P, J4S ,343 4,140 ,8692 J4P, J5P -2,99 4,440 ,6937 J4P, J5P -1,95 4,030 ,9234 J4P, J6P -4,488 4,440 ,0476 J4P, J6P -4,488 4,440 ,0476 J4P, TNP ,932 6,979 ,7907 J4P, TNP ,748 5,331 ,7803 J4S, J5P -642 4,541 ,7789 J4S, J5S -5,38 4,140 ,7963 J4S, J6P -4,831 4,541 ,0374 S J4S, J6P -4,831 4,541 ,0374 S J4S, TNP ,589 7,044 ,8660 J4S, TNP ,589 7,044 ,8660 J4S, TNP ,589 7,044 ,8660 J5P, J5S ,104 4,440 ,0869 J5P, J5S ,104 4,440 ,0869 J5P, J5P J6P -4,190 4,816 ,0871 J5P, J5S -3,841 4,440 ,0869 J5P, TNP 1,231 7,224 ,7350 J5P, TNP 1,231 7,224 ,7350 J5P, TNP 1,231 7,224 ,7350 J5P, TNP 1,231 7,224 ,7350 J5P, TNP 1,231 7,224 ,7350 J5P, TNP 1,231 7,224 ,7350 J5P, TNP 1,231 7,224 ,7350 J5P, TNP 1,231 7,224 ,7350 J5S, TNP 1,127 6,979 ,7483 J5S, TNP ,943 5,331 ,7252 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390 J6P, TNP 5,420 7,224 1,390	J3P, J6S	-2,847	4,935	,2538	
J3S, J4P -1.468 -1.125 -1.125 -1.766 -1.719 -1.7	J3P, TNP	2,225	7,539		
J3S, J4S	J3P, TNS	2,041	6,044		
J3S. J5P					
J3S, J5S					
J3S, J6P					
J3S, J6S					s
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J5P, J5S		,			
JSP. J6S		,104	4,440	.9630	
JSP. TNP 1.231 7.224 .7350 JSP. TNS 1,047 5.648 .7127 JSS. JBP -4.293 4.440 .0579 JSS. JSS -3,944 4.030 .0549 JSS. TNP 1.127 6.979 .7483 JSS. TNS .943 5.331 .7252 JBP. JGS .349 4.440 .8759 J6P. TNP 5.420 7.224 .1390 JBP. TNS 5.236 5.648 .0686 J6S. TNP 5.071 6.979 .1517 J6S. TNS 4.887 5.331 .0717	J5P, J6P	-4,190	4,816	,0871	1
J5P. TNS					
JSS, JSP					
JSS, J6S					1
JSS. TNP 1,127 6,979 ,7483 JSS. TNS ,943 5,331 ,7252 JBP, JGS ,349 4,440 ,8759 JGP, TNP 5,420 7,224 ,1390 JBP, TNS 5,236 5,648 ,0686 JGS, TNP 5,071 6,979 ,1517 JGS, TNS 4,887 5,331 ,0717					
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J5P, J6S					
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JSP, TNS 5,236 5,848 .0686 J6S, TNP 5,071 6,979 .1517 J6S, TNS 4,887 5,331 .0717]
J6S, TNS 4,887 5,331 ,0717			T	T]
	J6S, TNP	5,071	6,979	,1517	1
TNP, TNS		4,887	5,331	.0717	1
	TNP, TNS	-,184	7,603	.9626	J

FIG. 68A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	11	1108,367	100,761	2,419	,0129	26,609	,934
Résidu	71	2957,431	41,654				

Tableau de moyennes pour TCRBV16

Effet : Groupe

Ellet : aloupe						
	Nombre	Moyenne	Dév. Std.	Err. Std.		
CM+P	6	17,638	6,182	2,524		
CM+S	7	9,511	1,933	,731		
J3P	5	6,405	2,491	1,114		
J3S	4	6,253	1,812	,906		
J4P	9	6,565	1,382	,461		
J4S	9	5,835	1,449	,483		
J5P	9	8,828	4,243	1,414		
J5S	10	11,179	11,924	3,771		
J6P	9	13,766	7,046	2,349		
J6S	10	13,173	9,708	3,070		
TNP	2	5,439	1,203	,851		
TNS	3	4,811	1,861	1,075		

FIG. 68B

Graphique des Interactions pour TCRBV16

Effet : Groupe

Barres d'erreur: ± 1,96 Erreur(s) standard

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SET

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FIG. 68C

			Malaura	
CM+P, CM+S	B,127	7,160	.0267	s
CM+P, J3P	11,232	7,792	,0053	s
CM+P, J3S	11,384	8,307	.0079	s
CM+P, J4P	11,073	6,782	,0017	S
CM+P, J4S	11,803	6,782	,0009	S
CM+P, J5P	8,810	6,782	,0116	S
CM+P, J5S	6,459	6,645 6,782	,0566 ,2589	
CM+P, J6P CM+P, J6S	3,872 4,465	6,645	,1846	
CM+P, TNP	12,199	10,507	.0235	s
CM+P, TNS	12,826	9,100	,0064	s
CM+S, J3P	3,105	7,535	,4140	
CM+S, J3S	3,257	8,066	,4234	
CM+S, J4P	2,946	6,485	,3682	
CM+S, J4S	3,676	6,485	,2622 ,8343	
CM+S, J5P	.683 -1,669	6,485	,6015	
CM+S, J5S CM+S, J6P	-4,256	6,485	,1950	
CM+S, J6S	-3,662	6,342	.2534	
CM+S, TNP	4,072	10,318	,4340	
CM+S, TNS	4,699	8,880	,2949	
J3P. J3S	,152	8,633	,9721	1
J3P, J4P	-,160	7,178 7,178	.9647 .8745	l
J3P, J4S J3P, J5P	,571 -2,422	7,178	,5032	1
J3P, J5S	-4,774	7,049	,1812	1
J3P, J6P	-7,361	7,178	,0446	s
J3P, J6S	-6,768	7,049	,0596	1
J3P, TNP	,966	10,767	,8585	{
J3P, TNS	1,594	9,398 7,733	,7362 ,9362	1
J3S, J4P J3S, J4S	-,312 ,419	7,733	T	1
J35, J45 J35, J5P	-2,574	7,733]
J3S, J5S	-4,926	7,613		
J3S, J6P	-7,513	7,733		1
J3S, J6S	-6,920	7,613		-
J3S, TNP	,814	11,145		7
J3S, TNS	,730	9,829 6,066		_
J4P. J4S J4P. J5P	-2,263	6,066	1	7
J4P. J5S	-4,614	5,913		-1
J4P, J6P	-7,201	6,066	,0207] s
J4P. J6S	-6,608	5,913		٦.
J4P, TNP	1,126	10,060	1	7
J4P, TNS	1,754	, , ,		┥
J4S, J5P	-2,993 -5,345	5,913		1
J4S, J5S J4S, J6P	-7,932	+		٦.
J4S, J6S	-7,338	1		
J4S, TNP	,396	10,060	,9377	
J4S, TNS	1,023	8,579		
J5P, J5S	-2,351			
J5P, J6P	-4,938			
J5P, J6S J5P, TNP	3,389			
JSP, TNS	4,016			_
J5S, J6P	-2,587			
J5S, J6S	-1,994		1	
JSS, TNP	5,740			
JSS, TNS	6,36			_
J6P, J6S	.59			_
JEP, TNP	8,32			
J6P, TNS J6S, TNP	7,73			_
J6S, TNS	8,36			\neg
TNP, TNS	,62			

s

FIG. 68D

FIG. 68E

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance	
_		1366.839	124,258	2,439	.0125	26,832	,935	1
Groupe		2.22.22	50,940					
Résidu	68	3463,904	30,540		l		·	

Tableau de moyennes pour TCRBV18

Effet : Groupe

Enet: G	loupe			
	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	5	20,923	14,298	6,394
CM+S	7	12,460	4,456	1,684
J3P	4	10,425	4,718	2,359
J3S	4	11,167	3,982	1,991
J4P	8	9,540	3,210	1,135
J4S	9	8,739	3,488	1,163
J5P	9	12,342	4,375	1,458
J5S	10	13,509	9,823	3,106
J6P	8	20,235	9,202	3,253
J6S	10	17,530	7,806	2,468
-	2	8,387	2,214	1,566
TNP		8,319	5,022	2,511
TNS	4	1 0,319	3,022	

FIG. 68F

Graphique des interactions pour TCRBV18

Effet : Groupe

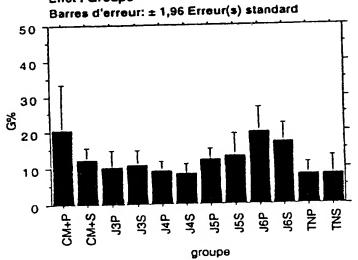


FIG. 68G

FIG. 68 H

OBLON ET AL (703) 413-3000 DOCKET # 263996USOX PCT INV. Alexis COLLETTE et al. USSN 10/519,950 Reply to O.A. DATED NOVEMBER 1, 2007 REPLACEMENT SHEET(S)

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	8,463	8,339	.0468	s
CM+P, J3P	10,498	9,554	,0318	S
CM+P, J3S	9,756	9,554	,0455	s
CM+P, J4P	11,383	8,119	.0067	s
CM+P, J4S	12,184	7,944	,0032	S
CM+P, J5P	8,582	7,944	,0346	S
CM+P, J5S	7,414	7,801	,0621	
CM+P, J6P	,689	8,119	,8661	
CM+P, J6S	3,393	7,801	,3884	_
CM+P, TNP	12,536	11,916	,0395	s
CM+P, TNS	12,604	9,554	,0105 ,6506	3
CM+S, J3P	1,293	8,927	,7734	
CM+S, J3S CM+S, J4P	2,920	8,927 7,371	,4320	
CM+S, J4S	3,721	7,177	,3045	
CM+S, J5P	,119	7,177	,9738	
CM+S, J5S	-1,049	7,019	,7665	
CM+S, J6P	-7,775	7,371	,0390	s
CM+S, J6S	-5,070	7,019	,1541	
CM+S, TNP	4,073	11,419	,4790	
CM+S, TNS	4,141	8,927	.3579	
J3P, J3S	-,742	10,071	,8836	
J3P, J4P	,884	8,721	.8402	
J3P, J4S	1,686	8,558	,6955	
J3P, J5P	-1,917	8,558	.6564	
J3P, J5S	-3,084	8,426	.4677	
J3P. J6P	-9.810	8,721	,0281	s
J3P, J6S	-7,105	8,426	.0970	
J3P, TNP	2,038	12,334	,7426	
J3P, TNS	2,106	10,071	,6778	
J3S, J4P	1,626	8,721	,7110	
J3S, J4S	2,428	8,558	,5732	
J3S, J5P	-1,175 -2,342	8,558	.7850 ,5810	
J3S, J5S J3S, J6P	·9,068	8,426 8,721	,0418	s
J3S, J6S	-6,363	8,426	,1365	J
J3S, TNP	2,780	12,334	.6543	
J3S, TNS	2,848	10,071	,5744	
J4P, J4S	,801	6,920	,8180	
J4P, J5P	-2,801	6,920	,4221	
J4P, J5S	-3,968	6,756	,2452	
J4P, J6P	-10,694	7,121	.0038	Ş
J4P, J6S	-7,989	6,756	,0212	s
J4P, TNP	1,153	11,259	,8386	
J4P, TNS	1,221	8,721	,7807	
J4S, J5P	-3,602	6,714	,2881	
J4S, J5S	-4,770	6,544	.1504	_
J4S, J6P	-11,496	6,920	.0015	5
J4S, J6S J4S, TNP	-8,791	6,544	,0092	S
J4S, TNS	,420	11,134 8,558	.9498	
J5P, J5S	-1,167	6,544	.7230	
JSP, J6P	-7,893	6,920	.0260	s
JSP, J6S	-5,188	8,544	.1183	
JSP. TNP	3,955	11,134	,4809	
JSP, TNS	4,023	8,558	,3516	
J5S, J6P	-6.726	6,756	.0510	
J5S, J6S	-4,021	6,369	.2121	
JSS, TNP	5,122	11,032	,3575	
JSS, TNS	5,190	8,426	.2233	l
J6P, J6S	2,705	6,756	,4271	١.
JEP, TNP	11,848	11,259	.0395	S
J6P, TNS	11,916	8,721	,0081	∤ s
J6S, TNP J6S, TNS	9,143	11,032	.1028	s
TNP, TNS	,068	12,334	.9913	1 3
1711, 1110		, .2,004		٦

FIG. 69A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe				2,791	1	30,703	,968
Résidu	72	3143,624	43,661			<u> </u>	

Tableau de moyennes pour TCRBV20

Effet: Groupe

Lifet . Groupe					
	Nombre	Moyenne	Dév. Std.	Err. Std.	
CM+P	5	27,772	16,719	7,477	
CM+S	7	11,353	4,473	1,690	
J3P	5	10,625	,982	,439	
J3S	4	11,679	3,970	1,985	
J4P	10	13,862	5,854	1,851	
J4S	9	11,847	3,898	1,299	
J5P	9	10,533	4,189	1,396	
J5S	10	11,711	5,365	1,697	
J6P	9	15,138	7,611	2,537	
Jes	10	13,643	7,756	2,453	
TNP	2	11,871	2,021	1,429	
TNS	4	9,130	2,304	1,152	

FIG. 69B

Graphique des interactions pour TCRBV20

Effet : Groupe

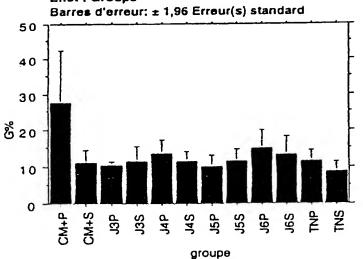


FIG.69C

FIG. 69D

	Diff mou	Ditf. crit.	Valeur p	
CM+P, CM+S	Diff. moy.	7,713	<,0001	s
CM+P, J3P	17,147	8,331	.0001	s
CM+P, J3S	16,092	8,836	,0005	s
CM+P, J4P	13,910	7,215	,0003	s
CM+P, J4S	15,924	7,347	<,0001	S
CM+P, J5P	17,238	7,347	<,0001	s
CM+P, J5S	16,061	7,215	<,0001	s
CM+P, J6P	12,634	7,347	,0010	S
CM+P, J6S	14,128	7,215	,0002	S
CM+P, TNP	15,901	11,021	,0053	S
CM+P, TNS	18,642	8,836	<,0001	S
CM+S, J3P	,728	7,713	,8513 ,9374	
CM+S, J3S	-,326	8,256 6,491	,4435	
CM+S, J4P CM+S, J4S	-,495	6,638	,8823	
CM+S, J5P	,819	6,638	,8063	
CM+S, J5S	358	6,491	,9128	
CM+S, J6P	-3,785	6,638	,2594	
CM+S, J6S	-2,291	6,491	,4840	
CM+S, TNP	518	10,561	,9224	ŀ
CM+S, TNS	2,223	8,256	,5931	
J3P, J3S	-1,054	8,836	,8126	
J3P, J4P	-3,237	7,215	,3741	1
J3P, J4S	-1,223	7,347	,7410 ,9803	
J3P, J5P J3P, J5S	,091	7,215	,7650	1
J3P, J6P	-1,086 -4,513	7,347	,2247	1
J3P, J6S	-3,019	7,215	,4070	
J3P, TNP	-1,246	11,021	.8223	İ
J3P, TNS	1,495	8,836	,7369	١
J3S, J4P	-2,183	7,793	.5783)
J3S, J4S	-,168	7,915	,9663]
J3S, J5P	1,146	7,915	,7738	
J3S, J5S	-,032	7,793	,9936	1
J3S, J6P	-3,459	7,915	,3866	1
J3S, J6S	-1,964	7,793	,6169	1
J3S, TNP	-,192	11,407	,9734	ł
J3S, TNS	2,550	9,314	,5870	ł
J4P, J4S	2,014	6,052	,5091	┨
J4P, J5P	3,328	6,052	,2766 ,4690	┨
J4P, J5S J4P, J6P	2,151	5,891 6,052	,6755	
J4P, J6S	,218	5,891	.9413	1
J4P, TNP	1,991	10,203	,6984	1
JAP, TNS	4,732	7,793	,2300]
J4S. J5P	1,314	6,209	,6744]
J4S. J5S	,137	6,052	,9642	1
J4S, J6P	-3,290	6,209	,2943	ł
J4S, J6S	-1,796	6,052	,5560	┨
J4S, TNP	-,023	10,297	,9964	1
J4S, TNS	2,718	7,915	,4959	┨
J5P, J5S	-1,177	6,052	,6993	┨
J5P, J6P	-4,604	6,209 6,052	,1437	1
JSP, J6S JSP, TNP	-3,110	10,297	,7964	1
JSP, TNS	1,404	7,915	.7247	1
JSS, J6P	-3,427	6,052	,2627	1
J5S, J6S	-1,933	5,891	,5152	1
JSS, TNP	-,160	10,203	,9751]
JSS, TNS	2,581	7,793	,5112]
J6P, J6S	1,494	6,052	,6241]
J6P, TNP	3,267	10,297	,5291]
JSP, TNS	6,008	7,915	,1346	1
J6S, TNP	1,773	10,203	,7301	1
J6S, TNS	4,514	7,793	,2520	7
TNP, TNS	2,741	11,407	,6334	<u>ا</u>

FIG. 70A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	432,969	86,594	2,011	,0866	10,054	.640
Rásidu	76	3272.846	43,064				

Tableau de moyennes pour TCRBV01

Effet : Groupe

Nombre	Moyenne	Dév. Sid.	Err. Std.
13	11,087	8,348	2,315
17	11,091	8,232	1,996
9		9,117	3,039
10		1,743	,551
			,436
17			1,503
	13	13 11,087 17 11,091 9 7,802 10 6,450	13 11,087 8,348 17 11,091 8,232 9 7,802 9,117 10 6,450 1,743 16 5,478 1,746

FIG. 70B

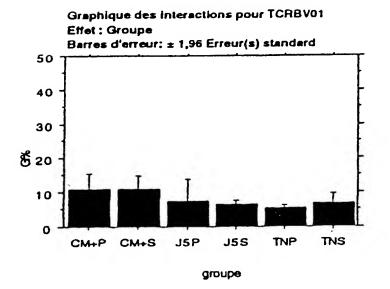


FIG. 70C

FIG. 70D

	Diff. moy.	Ditt. crit.	Valeur p	
CM+P, CM+S	-,003	4,815	,9989	
CM+P, J5P	3,285	5,688	,2520	
CM+P, J5S	4,637	5,498	,0971	
CM+P, TNP	5,609	4,880	,0248	s
CM+P, TNS	4,259	4,815	,0822	
CM+S, J5P	3,288	5,388	,2279	
CM+S, J5S	4,641	5,209	,0800	
CM+S, TNP	5,613	4,552	,0164	s
CM+S, TNS	4,262	4,483	,0621	
J5P, J5S	1,352	6,005	,6550	
JSP, TNP	2,324	5,448	,3979	
JSP, TNS	.974	5,388	.7197	
JSS, TNP	,972	5,269	,7143	
JSS, TNS	-,378	5,209	,8854	
TNP, TNS	-1,350	4,552	,5565	

FIG. 70E

Tableau ANOVA pour TCRBV02

	ddi	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lamboa	Puissance	
_		2260.845	452,169	12,349	<,0001	61,745	1,000	
Groupe	-	2260,643						
Pácidu	78	2858.039	36,616		L	<u> </u>	ļ <i>1</i>	

Tableau de moyennes pour TCR8V02

Effet : Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	16	18,682	11,485	2,871
CM+S	17	12,334	4,730	1,147
J5P	9	8,816	3,816	1,272
J5S	10	8,401	4,782	1,512
TNP	16	5,498	2,944	.738
TNS	16	4,234	2,115	,529

FIG. 70F

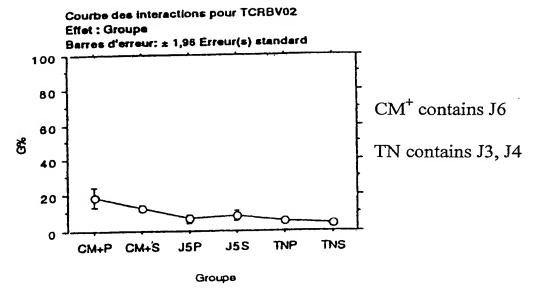


FIG. 70G

Test PLSD de Fisher pour TCRBV02

Effet : Groupe

Niveau de significativité: 5 %

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	6,348	4,196	.0035	s
CM+P, J5P	11,866	5,020	<.0001	s
CM+P, J5S	10,282	4,856	<,0001	s
CM+P, TNP	13,184	4,259	<,0001	s
CM+P, TNS	14,449	4,259	<,0001	s
CM+S, J5P	5,518	4,966	,0299	s
CM+S, J5S	3,933	4,801	1069	
CM+S, TNP	6,836	4,196	,0017	S
CM+S, TNS	8,100	4,196	,0002	s
J5P, J5S	-1,585	5,535	,5703	:
JSP. TNP	1,318	5,020	,6027	
JSP, TNS	2,582	5,020	3090	
JSS, TNP	2,903	4,856	,2377	
JSS, TNS	4,167	4,856	.0916	
TNP, TNS	1,264	4,259	,5562	
•				

FIG. 70 H

FIG. 71A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	1527,689	305,538	9,429	<,0001	47,145	1,000
Résidu	78	2527.492	32,404				

Tableau de moyennes pour TCRBV03

Effet: Groupe

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	15	15,663	6,016	1,553
CM+S	17	13,392	7,788	1,889
J5P	8	5,793	1,245	,440
JSS	10	10,189	5,355	1,693
TNP	17	6,590	6,854	1,662
TNS	17	4,402	1,366	,331

FIG. 71B

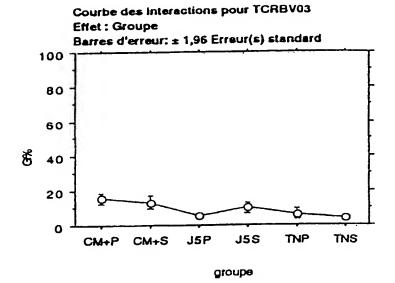


FIG.71C

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	2,271	4,015	,2635	
CM+P, J5P	9,870	4,961	,0002	s
CM+P, J5S	5,474	4,627	,0210	s
CM+P, TNP	9,073	4,015	<.0001	s
CM+P, TNS	11,261	4,015	<,0001	s
CM+S, J5P	7,599	4,859	,0026	s
CM+S, J5S	3,203	4,516	,1620	
CM+S, TNP	6,802	3,887	,0008	S
CM+S, TNS	8,990	3,887	<,0001	S
JSP, JSS	-4,396	5,376	,1076	
JSP, TNP	797	4,859	.7448	
JSP. TNS	1,391	4,859	,5703	
JSS, TNP	3,599	4,516	,1167	
JSS, TNS	5,787	4,516	,0127	s
TNP, TNS	2,188	3,887	,2658	
•				

FIG. 71D

FIG. 71E

	ववा	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	390,352	78,070	1,752	,1328	8,762	.569
Résidu	77	3430,317	44,550				

	Nombre	Moyenne	Dev. Std.	Err. Std.
CM+P	14	11,624	9,605	2,567
CM+S	17	7,556	3,093	,750
J5P	9,	10,016	10,982	3,861
J5S	10	5,395	2,913	,921
TNP	17	8,235	7,874	1,910
TNS	16	5,528	1,724	,431

FIG. 71F



Effet : Groupe

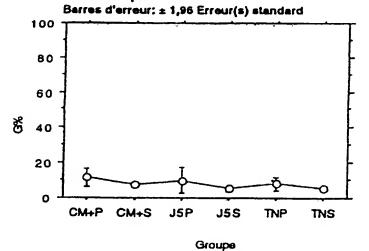


FIG. 71G

	Ditt. moy.	Ditt. crit.	Valeur p	
CM+P, CM+S	4,068	4,797	,0953	
CM+P, J5P	1,608	5,678	,5744	
CM+P, J5S	6,229	5,503	.0270	s
CM+P, TNP	3,389	4,797	,1635	
CM+P, TNS	6,096	4,864	,0147	s
CM+S, JSP	-2,460	5,479	,3741	
CM+S, J5S	2,161	5,297	,4191	
CM+S, TNP	-,679	4,559	,7675	
CM+S, TNS	2,028	4,629	3858	
J5P. J5S	4,621	6,107	,1360	
JSP, TNP	1,781	5,479	,5195	
JSP, TNS	4,488	5,538	,1107	
	-2,840	5,297	.2890	
JSS, TNP	-,133	5,358	.9607	1
JSS, TNS	2,707	4,629	,2478	1
TNP, TNS	2.707	1 4.020	1	,

FIG. 71 H

FIG. 72A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	1177,396	235,479	3,026	,0162	15,129	.840
Résidu	65	5058,617	77,825				

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	14	22,742	8,379	2,239
CM+S	15	17,817	8,119	2,096
J5P	7	20,393	9,875	3,733
J5S	8	15,429	8,348	2,952
TNP	13	18,467	12,720	3,528
TNS	14	10,498	4,002	1,070

FIG. 72B

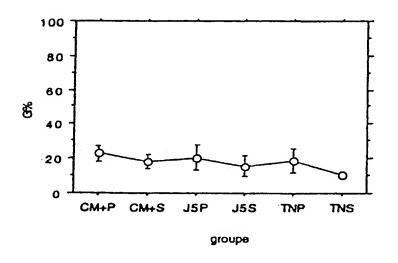


FIG. 72C

	Diff, moy.	Diff. crit.	Valeur p	
CM+P, CM+S	4,925	6,547	,1379	
CM+P, J5P	2,349	8,156	,5672	
CM+P, J5S	7,312	7,809	,0660	
CM+P, TNP	4,275	6,786	,2128	
CM+P, TNS	12,244	6,659	,0005	S
CM+S, J5P	-2,576	8,085	,5258	
CM+S, J5S	2,388	7,713	,5385	
CM+S, TNP	-,649	6,676	8466	
CM+S, TNS	7,319	6,547	.0290	s
J5P, J5S	4,964	9,118	,2810	
J5P, TNP	1,927	8,260	,6429	Ì
	9,895	8,156	,0182	s
J5P, TNS	-3,037	7,917	,4464	1
JSS, TNP		7,809	,2117	1
JSS, TNS	4,931	6,786	.0221	s
TNP, TNS	7,968	0,786	1 .0221	,

FIG. 72D

FIG. 72E

	ddi	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	916,180	183,236	7,464	<,0001	37,318	.999
Résidu	74	1815,741	24,551				

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	13	16,559	7,514	2,084
CM+S	17	9,926	3,585	.869
J5P	8	17,091	3,750	1,326
J5S	10	8,415	6,726	2,127
TNP	15	11,815	5,086	1,313
TNS	17	8,117	2,031	,492

FIG. 72F

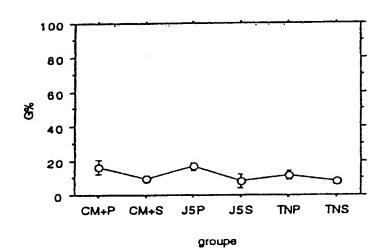


FIG. 72G

FIG. 72H

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	6,633	3,637	,0005	S
CM+P, J5P	-,532	4,436	,8117	
CM+P, JSS	8,144	4,153	.0002	S
CM+P, TNP	4,745	3,741	.0136	S
CM+P, TNS	8,442	3,637	<.0001	S
CM+S, J5P	-7,166	4,233	.0012	S
CM+S, J5S	1,511	3,935	,4466	
CM+S, TNP	-1,889	3,497	,2854	ļ
	1,808	3,386	,2907	l
CM+S, TNS	8,677	4,683	.0004	s
J5P, J5S	5,277	4,322	,0174	s
JSP, TNP		4,233	<,0001	s
JSP, TNS	8,974	4,031	,0970	1
JSS, TNP	-3,400		,8806	1
JSS, TNS	,298	3,935	,0386	s
TNP, TNS	3,697	3,497	,0386	, 5

FIG. 73A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	788,066	157,613	2,447	,0409	12,237	.745
Résidu	79	5087,612	64,400				

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	15	17,007	8,620	2,226
CM+S	17	13,682	9,336	2,264
J5P	9	7,467	2,436	,812
J5S	9	10,375	8,168	2,723
TNP	17	9,357	6,546	1,588
TNS	18	10,441	9,029	2,128

FIG. 73B

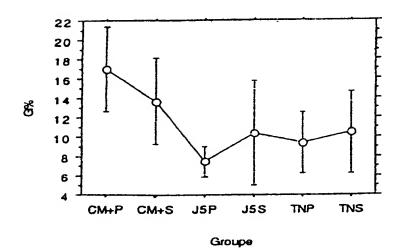


FIG. 73C

	Diff. moy.	Dill. crit.	Valeur p	
CM+P, CM+S	3,325	5,658	,2457	
CM+P, J5P	9,539	6,735	,0061	S
CM+P, J5S	6,631	6,735	,0535	
CM+P, TNP	7,650	5,658	,0087	S
CM+P, TNS	6,566	5,584	,0218	S
CM+S, JSP	6,215	6,585	.0640	
CM+S, J5S	3,307	6,585	.3206	
CM+S, TNP	4,325	5,479	.1201	
CM+S, TNS	3,241	5,402	,2360	
J5P, J5S	-2,908	7,530	,4444	
JSP, TNP	-1,890	6,585	,5694	
JSP, TNS	-2,974	6,521	,3668	
JSS. TNP	1,018	6,585	,7590	
JSS, TNS	-,086	6,521	,9841]
TNP. TNS	-1,084	5,402	.6907]
1147 , 1143				•

FIG. 73D

FIG. 73E

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	1142,901	228,580	3,361	.0084	16,806	,889
UbiaèR	79	5372,547	68,007				

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	15	19,250	11,734	3,030
CM+S	17	13,065	8,253	2,002
J5P	9	7,781	3,973	1,324
J5S	10	11,235	7,477	2,365
TNP	16	8,817	5,986	1,496
TNS	18	11,242	8,360	1,971

FIG. 73F

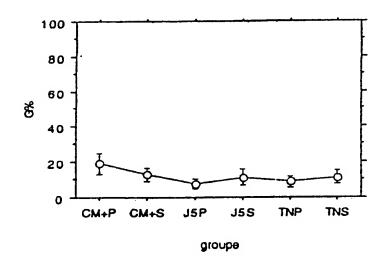


FIG. 73G

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	6,186	5,815	,0374	S
CM+P, J5P	11,469	6,921	,0015	s
CM+P, J5S	8,015	6,701	,0197	s
CM+P, TNP	10,433	5,899	,0007	s
CM+P, TNS	8,008	5.739	,0068	s
CM+S, JSP	5,283	6,767	,1242	
CM+S, JSS	1.829	6,542	,5794	
CM+S, TNP	4,247	5,717	,1432	
CM+S, TNS	1,822	5,551	,5154	
JSP, J5S	-3,454	7,542	,3648	
J5P, TNP	-1,036	6,839	.7639	
JSP, TNS	-3,461	6,701	,3071	
JSS, TNP	2,418	. 6,617	,4691	
JSS, TNS	-,007	6,474	,9982]
TNP. TNS	-2,425	5,640	,3946]
• • • • • • • • • • • • • • • • • • • •				_

FIG. 73H

FIG. 74A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	368,810	73,362	5,005	,0005	25,027	,983
Résidu	79	1157,847	14,656				

Nombre	Moyenne	Dév. Std.	Err. Std.
14	10,344	4,444	1,158
17	10,640	6,391	1,550
9	6,969	1,629	,543
10		2,787	,881
			,394
			,611
	14	14 10,344 17 10,640 9 6,969 10 6,622 17 6,681	14 10,344 4,444 17 10,640 6,391 9 6,969 1,629 10 6,622 2,787 17 6,681 1,623

FIG. 74B

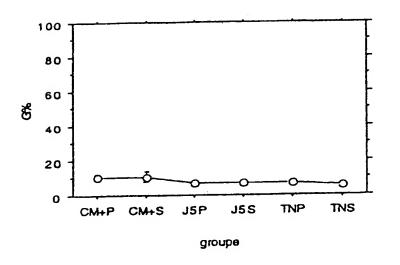


FIG. 74C

	_111	ia	Malaus B	
	Diff. moy.	Dill. crit.	Valeur p	!
CM+P, CM+S	-,297	2,750	,8306	
CM+P, J5P	3,375	3,256	,0424	S
CM+P, J5S	3,722	3,155	.0214	S
CM+P, TNP	3,663	2,750	,0097	S
CM+P, TNS	4,875	2,715	,0006	S
CM+S, JSP	3,671	3,141	,0226	S
CM+S, J5S	4,018	3.037	,0102	S
CM+S, TNP	3,959	2,614	.0035	S
CM+S, TNS	5,172	2,577	,0001	s
J5P, J5S	,347	3,501	,8442	
JSP, TNP	.288	3,141	,8558	
JSP, TNS	1,500	3,111	,3400	
JSS, TNP	-,059	3,037	,9693	ŀ
JSS, TNS	1,154	3,005	,4471	1
TNP, TNS	1,213	2,577	,3519	}

FIG. 74D

FIG. 74E

Tableau ANOVA pour TCRBV08.2

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	150,431	30,088	1,097	,3688	5,485	,364
Résidu	78	2139,073	27,424				

Tableau de moyennes pour TCRBV08.2

Effet : Groupe

	Nombre	Moyenne	Dev. Std.	Err. Std.
CM+P	14	9,586	4,674	1,249
CM+S	17	10,574	7,927	1,923
J5P	8	7,913	2,982	1,054
J5S	10	7,678	4,199	1,328
TNP	17	7,001	3,136	,760
TNS	18	7,644	5,266	1,241

FIG. 74F



Effet : Groupe

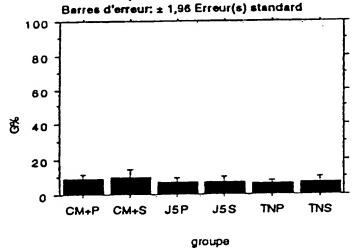


FIG. 74G

Test PLSD de Fisher pour TCRBV08.2

Effet : Groupe

Niveau de significativité : 5 %

MARRIE OF SIGNIFICATION OF THE						
	Diff. moy.	Diff. crit.	Valeur p			
CM+P, CM+S	-,989	3,763	,6023			
CM+P, J5P	1,673	4,621	,4732			
CM+P, J5S	1,907	4,317	,3817			
CM+P, TNP	2,585	3,763	,1754			
CM+P, TNS	1,942	3,715	,3013			
CM+S, J5P	2,662	4,470	,2394			
CM+S, J5S	2,896	4,155	,1692			
CM+S, TNP	3,573	3,576	,0502			
CM+S, TNS	2,931	3,526	,1020			
J5P, J5S	.234	4,945	.9250			
JSP, TNP	,912	4,470	,6858			
JSP, TNS	,269	4,430	.9041			
JSS, TNP	,677	4,155	,7464			
JSS, TNS	,034	4,112	,9867			
TNP, TNS	-,643	3,526	,7176			
·			•			

FIG. 74H

FIG. 75A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	495,165	99,033	3,518	,0064	17,592	,906
Résidu	79	2223,623	28,147				

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	16	9,855	10,116	2,529
CM+S	17	8.560	5,555	1,347
J5P	8	6,072	2,450	,866
J5S	10	3,777	1,722	,545
TNP	17	4,949	2,433	,590
TNS	17	3,743	1,405	,341

FIG. 75B

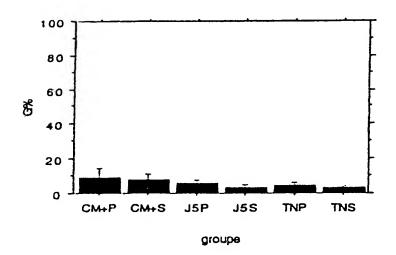


FIG. 75C

	Ditt. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	1,295	3,678	,4854	
CM+P, J5P	3,783	4,573	,1036	
CM+P, J5S	6,078	4,257	,0057	s
CM+P, TNP	4,906	3,678	,0096	s
CM+P, TNS	6,111	3,678	,0014	s
CM+S, J5P	2,487	4,528	,2775	
CM+S, J5S	4,782	4,208	,0265	S
CM+S, TNP	3,611	3,622	,0507	
CM+S, TNS	4,816	3,622	,0098	S
J5P, J5S	2,295	5,009	,3646	
JSP, TNP	1,123	4,528	,6227	
JSP. TNS	2,329	4,528	,3091	
JSS, TNP	-1,171	4,208	,5811	
JSS, TNS	.034	4,208	,9873	
TNP, TNS	1,205	3,622	,5097	

FIG. 75D

FIG. 75E

Tableau ANOVA pour TCRBV09

	ddi	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	901,856		1,899	,1066	9,495	,603
Résidu	65	6174,114	94,986				

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	15	22,693	13,552	3,499
CM+S	13	19,176	10,554	2,927
J5P	7	20,567	6,361	2,404
J5S	8	12,019	10,703	3,784
TNP	16	16,104	5,480	1,370
TNS	12	14,248	8,373	2,417

FIG. 75F

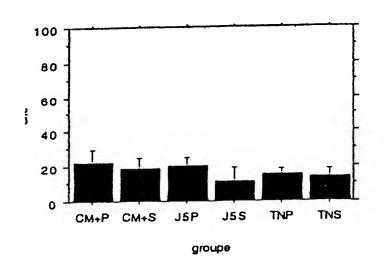


FIG. 75G

	Ditf. moy.	Diff. crit.	Valeur p	,
CM+P, CM+S	3,517	7,376	,3444	
CM+P, J5P	2,126	8,910	,6352	
CM+P, J5S	10,675	8,521	.0149	S
CM+P, TNP	6,589	6,995	,0644	
CM+P, TNS	8,448	7,538	,0287	s
CM+S, JSP	-1,391	9,125	,7618	ļ
CM+S, J5S	7,158	8,746	,1070	
CM+S, TNP	3,072	7,268	,4017	ŀ
CM+S, TNS	4,928	7.792	,2110	ŀ
J5P, J5S	8,549	10,074	,0949	
JSP, TNP	4,463	8,821	,3160	
JSP, TNS	6,319	9,257	,1775	
JSS, TNP	-4,085	8,428	,3366	
JSS. TNS	-2,229	8,884	,6180	
TNP, TNS	1,856	7,433	6196	}
'				

FIG. 75H

FIG. 76A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	366,970	73,394	,795	,5566	3,975	,266
Résidu	77	7108,560	92,319				

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	16	12,620	17,634	4,408
CM+S	16	8,718	3,904	,976
J5P	9	7,336	6,956	2,319
J5S	9	9,596	8,867	2,956
TNP,	16	8,428	7,638	1,910
TNS	17	6,297	4,503	1,092

FIG. 76B

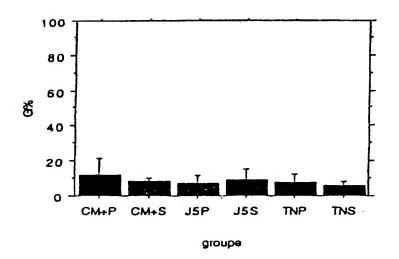


FIG. 76C

	Diff. moy.	Diff. crit.	Valeur p
CM+P, CM+S	3,902	6,764	,2542
CM+P, J5P	5,284	7,972	.1908
CM+P, J5S	3,024	7,972	,4523
CM+P, TNP	4,193	6,784	,2209
CM+P. TNS	6,323	6,664	.0628
CM+S, J5P	1,382	7,972	,7309
CM+S, J5S	-,878	7,972	,8270
CM+S, TNP	,290	8,764	,9322
CM+S, TNS	2,421	6,664	,4717
J5P, J5S	-2,260	9,019	,6193
JSP, TNP	-1,092	7,972	,7859
JSP, TNS	1,039	7,887	,7938
JSS, TNP	1,168	7,972	.7712
JSS, TNS	3,299	7,887	4075
TNP, TNS	2,131	6,664	5263

FIG. 76D

FIG. 76E

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe		326,172				15,578	,857
Résidu	74	1549,389	20,938				

	Nombre	Moyenne	Dév. Std.	Err, Std.
CM+P	15	14,370	5,385	1,390
CM+S	16	11,571	4,874	1,168
J5P	8	8,500	2,323	.821
J5S	9	10,472	3,326	1,109
TNP	16	8,931	4,625	1,156
TNS	16	9,506	4,958	1,239

FIG. 76F

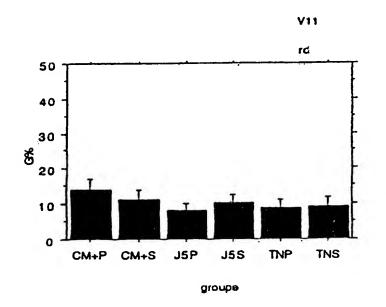


FIG. 76G

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	2,799	3,277	.0929	
CM+P, J5P	5,870	3,992	,0045	s
CM+P, J5S	3,898	3,844	.0470	s
CM+P, TNP	5,439	3,277	,0015	s
CM+P, TNS	4,864	3,277	,0042	s
CM+S, J5P	3,071	3,948	,1255	
CM+S, J5S	1,098	3,799	.5663	
CM+S, TNP	2,640	3,223	,1070	
CM+S, TNS	2,064	3,223	,2059	
J5P, J5S	-1,972	4,430	,3779	
J5P, TNP	-,431	3,948	,8284	}
JSP, TNS	-1,006	3,948	,6130	
JSS, TNP	1,541	3,799	.4214	1
	,966	3,799	,6139	1
J5S, TNS	575	3,223	,7231	1
TNP, TNS	1,3/3	1 3,220		J

FIG. 76H

FIG. 77A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	440,110	88,022	1,902	.1038	9,510	.610
Résidu	76	3517,057	46,277				

	Nombre	Moyenne	Dev. Std.	Err. Std.
CM+P	13	26,706	10,267	2,848
CM+S	18	21,490	5,750	1,438
J5P	9	21,202	7,031	2,344
J5S	10	20,410	3,361	1,063
TNP	17	19,440	4,775	1,158
TNS	17	22,585	7,476	1,813

FIG. 77B

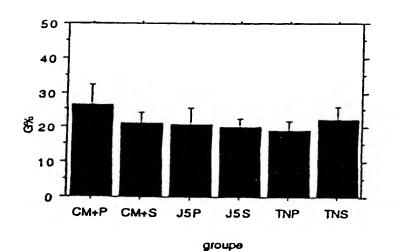


FIG. 77C

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	5,216	5,059	,0435	s
CM+P, J5P	5,504	5,875	,0659	
CM+P, J5S	6,296	5,699	,0308	s
CM+P, TNP	7,266	4,992	,0049	s
CM+P, TNS	4,121	4,992	,1043	
CM+S, J5P	,288	5,845	.9194	
CM+S, J5S	1,080	5,462	,6948	
CM+S, TNP	2,050	4,719	,3897	
CM+S, TNS	-1,095	4,719	.6454	
J5P, J5S	.792	6,225	,8006	
JSP, TNP	1,762	5,585	,5318	
JSP, TNS	-1,383	5,585	,6234	
JSS, TNP	.970	5,400	.7215	
J5S, TNS	-2,175	5,400	.4249	
TNP, TNS	-3,145	4,647	,1817	
·				

FIG. 77D

FIG. 77E

		a des marries	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
	ddl	Somme des carrés	54,333	1,661	.1545	8,306	,541
Groupe	5	271,666					
Rásidu	7.5	2453,157	32,709	L	L <u>.</u>		<u></u>

	Nombre	Moyenne	Dev. Std.	Err. Std.
CM+P	14	12,637	6,567	1,755
CM+S	17	9,220	2,776	,673
	9	12,000	6,015	2,005
J5P	8	11,132	5,742	2,030
J5S		10,618	8,055	2,014
TNP	16		4,151	1,007
TNS	17	7,400	7,131	

FIG. 77F

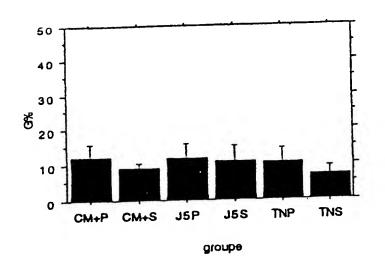


FIG. 77G

	Ditt. moy.	Ditt. crit.	Valeur p	
CM+P. CM+S	3,417	4,112	,1020	
CM+P, J5P	.637	4,868	.7951	
CM+P, J5S	1,505	5,049	,5545	}
CM+P, TNP	2,021	4,169	,3373	
CM+P, TNS	5,237	4,112	.0132	S
CM+S, J5P	-2,780	4,697	.2421	
CM+S, JSS	-1,912	4,885	.4380	
CM+S, TNP	-1,396	3,968	,4858	l
CM+S, TNS	1,821	3,908	,3563	
JSP, JSS	.868	5,536	,7557	
JSP. TNP	1,384	4,747	,5630	ŀ
JSP, TNS	4,601	4,697	,0547	
JSS, TNP	,517	4,933	,8353	
JSS. TNS	3,733	4,885	,1321	
TNP. TNS	3,216	3,968	,1106	
,				•

FIG. 77H

FIG. 78A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe		212,057		2,853	.0207	14,265	,818
Residu		1100,086	14,866				

	Nombre	Moyenne	Dev. Std.	Err. Std.
CM+P	15	9,609	7,302	1,885
CM+S	15	7,351	3,241	,837
J5P	8	6,045	1,246	,440
J5S	9	5,140	1,601	,534
TNP	16	5,739	2,558	.639
TNS	17	5,179	2,195	,532

FIG. 78B

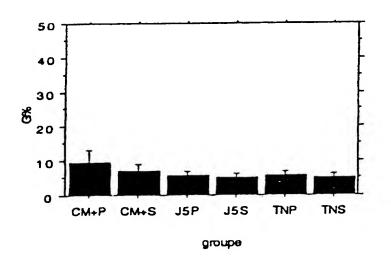


FIG. 78C

	Diff. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	2,258	2,805	,1130	
CM+P, J5P	3,564	3,363	,0381	s
CM+P, J5S	4,468	3,239	,0075	s
CM+P, TNP	3,870	2,761	,0066	s
CM+P, TNS	4,429	2,722	,0018	s
CM+S, J5P	1,306	3,363	,4417	
CM+S, J5S	2,210	3,239	,1781	
CM+S. TNP	1,612	2,761	.2484	
CM+S, TNS	2,171	2,722	,1161	
J5P. J5S	,905	3,733	,6305	
JSP, TNP	,306	3,327	,8549	
JSP, TNS	,866	. 3,294	,6020	}
JSS, TNP	598	3,201	,7106	
JSS, TNS	-,039	3,167	,9805	
TNP, TNS	,559	2,676	,6782	
•				

FIG. 78D

FIG. 78E

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance	
Groupe	5	392,519	78,504	3,949	,0031	19,747	,939	
Rásidu	75	1490,804	19,877					

	Nombre	Moyenne	U8V. 310.	EII. old.
CM+P	13	11,151	7,292	2,022
CM+S	17	8,167	6,514	1,580
J5P	7	5,730	1,647	,622
J5S	10	5,626	1,858	,587
TNP	17	5,702	2,068	,502
TNS	17	4,728	1,904	,462

FIG. 78F

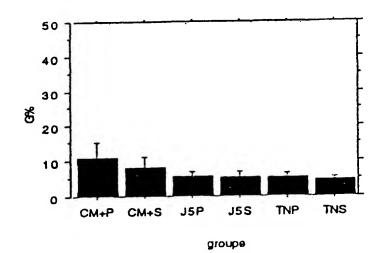


FIG. 78G

	Diff. moy.	Diff. crit.	Valeur p	
CM+P. CM+S	2,984	3,272	.0733	
CM+P, J5P	5,421	4,164	,0114	S
CM+P, JSS	5,524	3,736	,0043	s
CM+P, TNP	5,449	3,272	,0014	S
CM+P, TNS	6,422	3,272	,0002	s
CM+S. JSP	2,437	3,989	,2274	
CM+S, J5S	2,541	3,540	,1569	
CM+S, TNP	2,465	3,046	,1112	
CM+S, TNS	3,438	3,046	.0275	s
JSP, JSS	,104	4,377	,9625	
JSP. TNP	.028	3,989	.9888	
JSP, TNS	1,001	3,989	,6184	
JSS, TNP	-,076	3,540	.9662]
JSS, TNS	,898	3,540	,6148]
TNP, TNS	,973	3,046	,5264]
				-

FIG. 78H

FIG. 79A

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	993,378	198,676	4,979	.0005	24,896	,982
Résidu	77	3072,420	39,902				

	Nombre	Moyenne	Dév. Std.	Err. Sid.
CM+P	15	15,315	6,773	1,749
CM+S	17	11,665	7,607	1,845
J5P	9	8,828	4,243	1,414
J5S	10	11,179	11,924	3,771
TNP	16	6,374	1,705	,426
TNS	16	5,747	1,577	,394

FIG. 79B

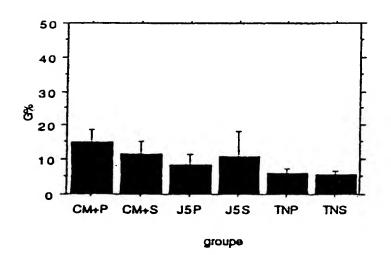


FIG. 79C

	0:44	Ditt. crit.	Valour o	
	Diff. moy.	Ditt. Cit.	Valeur p	1
CM+P, CM+S	3,650	4,456	,1070	
CM+P, J5P	6,487	5,303	,0172	S
CM+P, J5S	4,136	5,135	,1129	i
CM+P, TNP	8,940	4,521	.0002	s
CM+P, TNS	9,567	4,521	<,0001	s
CM+S, JSP	2,837	5,185	,2793	
CM+S, JSS	,486	5,013	,8475	
CM+S, TNP	5,291	4,381	,0186	s
CM+S, TNS	5,917	4,381	,0088	s
J5P, J5S	-2,351	5,779	,4203	
JSP, TNP	2,453	5,241	,3542	
JSP. TNS	3,080	5,241	,2455	ļ
JSS, TNP	4,805	5,070	.0629	
JSS, TNS	5,432	5,070	,0361	s
TNP, TNS	.827	4,447	.7797	
				•

FIG. 79D

FIG. 79E

	ddl	Somme des carrés	Carré moyen	Valeur de F	Valeur de p	Lambda	Puissance
Groupe	5	1233,374	248,675	5,074	.0005	25,371	,984
Résidu	74	3597,369	48,613				

	Nombre	Moyenne	Dév. Std.	Err. Std.
CM+P	13	20,499	10,847	3,008
CM+S	17	15,442	6,952	1,686
J5P	9	12,342	4,375	1,458
JSS	10	13,509	9,823	3,106
TNP	14	9,628	3,391	,906
TNS	17.	9,211	3,882	,941

FIG. 79F

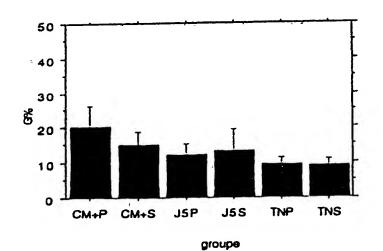


FIG. 79G

	Ditt. moy.	Diff. crit.	Valeur p	
CM+P, CM+S	5,057	5,119	,0527	
CM+P, J5P	8,158	6,024	,0086	S
CM+P. J5S	6,991	5,844	,0197	S
CM+P, TNP	10,871	5,351	,0001	S
CM+P, TNS	11,288	5,119	<,0001	s
CM+S, JSP	3,101	5,727	,2842	[
CM+S, J5F	1,934	5,537	.4887	İ
	5,814	5,014	.0236	s
CM+S, TNP	6,231	4,765	,0111	s
CM+S, TNS	-1,167	6,383	,7166	
J5P, J5S	2,713	5,936	,3654	Ì
JSP, TNP	3,130	5,727	.2797	1
JSP, TNS	3,880	5,752	,1830	1
JSS, TNP		5,537	.1262	1
JSS, TNS	4.297	5,014	.8689	1
TNP, TNS	.417	1 3,014	1	,

FIG. 79H

ANOVA TABLE FOR TCRBV20 TWO WAY ANOVA POWER P F MEAN DEGREE OF **SQUARE** LAMBDA CALCULATION VALUE VALUE **SQUARE** SUM FREEDOM ,860 ,0128 3,122 15,608 149,537 747,683 GROUP

FISCHER'S PLSD TEST FOR TCRBV20

47,904

EFFECT: GROUP

3736,485

RESIDUAL

78

SIGNIFICANCE UNDER: 5%

	MEAN	CRITICAL	P	
1	DIFFERENCE	DIFFERENCE	VALUE	
CM+P, CM+S	6,950	4,973	,0068	S
CM+P, J5P	9,116	5,887	,0028	S
CM+P, J5S	7,939	5,705	,0070	S
CM+P, TNP	6,974	4,973	,0066	S
CM+P, TNS	8,482	4,973	,0011	S
CM+S, J5P	2,167	5,680	,4499	
CM+S, J5S	,990	5,491	,7208	
CM+S, TNP	,025	4,726	,9917	
CM+S, TNS	1,532	4,726	,5206	
J5P, J5S	-1,177	6,331	,7122	
J5P, TNP	-2,142	5,680	,4551	
J5P, TNS	-,635	5,680	,8245	
J5S, TNP	-,965	5,491	,7275	
J5S, TNS	,542	5,491	,8446	
TNP, TNS	1,507	4,726	,5274	

FIG. 80A

MEAN TABLE FOR TCRBV20

EFFECT: GROUP

STANDARD STANDARD ERROR

			9 21 21 DI	40.2 (20.2)
	NUMBER	MEAN	DEVIATION	OF THE MEAN
CM+P	14	19,650	12,693	3,392
CM+S	17	12,700	6,534	1,585
J5P	9	10,533	4,189	1,396
J5S	10	11,711	5,365	1,697
TNP	17	12,675	4,696	1,139
TNS	17	11,168	3,593	,871

GRAPH OF INTERACTIONS FOR TCRBV20

EFFECT: GROUP

ERRORS BARS: ± 1,96 STANDARD ERROR OF THE MEAN

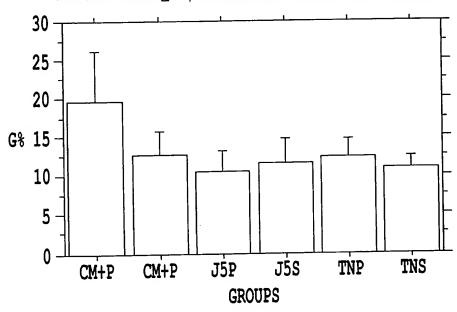


FIG. 80B

Paramètres du pic à récupérer

Taillé 216
Natural TGRBV5/255

Pai	amètres des fichlers à utiliser		AND DESCRIPTION OF THE PARTY OF	The second second	en comment
	ametres des lichiers à utiliset	Eguiller	Groupe:	Warnte.	Themaldness
Ti	DataFormater OG/009 v1.01	Data.1	- 1	RIII	
2	DataFormater OG/008 v1.03	Data.2	1	RT12	
3	DataFormater OG/007 v1.04	Data.3	1	RT13	
1 4	DataFormater OG/009 v1.01	Data.2	1	RT14	
5	COMOND UT DO	Data.3	1	RT15	
6	1	Data.3	1	RT28	
7	DataFormater OG/009 v1.01	Data.3	1	RT29	
8	DataFormater OG/003 v1.01	Data.2	1	RT30	
9	DataFormater OG/003 v1.013:	Data.3	1	RT31	
2	00001011	Data.3	2	' RS21	
3		Data.2	2	RS22	
3		Data.1	2	RS23	
3	I	Data.2	2	RS24	
3		Data.2	2	RS25	
1	00/045 11 04	Dala.2	3	R3*16	
2	1	Data.1	3	R3'17	
2		Data.2	. 3	R3*18	
2		Data.2	3	R3*19	
2		Data.2	3	R3*20	
3	000010 11 04	Data.2	4	R3*S06	
4		Data.1	4	R3*S07	
4		Data.2	4	R3*S08	
4		Data.2	4	R3*S09	
4		Data.2	4	R3*S10	

AC ,DA v1.08 R sans Vb19

TCRBV15 :174 0,15 TCRBV052 :216 0,13 TCRBV052 :216 0,12 TCRBV051 :228 0,09 TCRBV08.1 :221 0,08 TCRBV15 :171 0,08	
5008 E8* 0,14 0,13 0,12 0,10 0,09 0,09 0,09	FIG. 82
TCRBV15:174 TCRBV16:148 TCRBV15:177 TCRBV03:153 TCRBV13:160 TCRBV13:168 TCRBV15:171 TCRBV15:171	
Scarn 13 0,32 0,19 0,18 0,14 0,14 0,13	0000 B B B B B B B B B B B B B B B B B
TCRBVOB.1 :231 TCRBV15 :174 JCRBV10 :136 TCRBV10 :136 TCRBV05.1 :225 TCRBV05.1 :222 TCRBV05.2 :219	9.87 6 6,13 0 18,28 18 17,95 18 17,95 18 12,44 12 6,61 8 4,57 9 5,98 12 14,72 16 5,98 5,98 12 11,69 8 5,97 8 8,34 13 12,27 9 6,43 7 8,34 13,97 12 16,53 19
6/00	6,01 6,01 16,58 12,10 12,10 12,10 12,37 6,48 18,28 8,28 11,33 11,33 11,33 11,33 11,33 11,34 11,24 11,24
8cato 81 0,16 0,15 0,14 0,10 0,10 0,10 0,09	15.85 15.85 15.85 15.85 15.85 13.12 13.12 13.04 13.04 13.38 2.40 13.38 4.50 15.74 16.83 11.25 11.25 17.15 17.11
Scort pilipipioriams TCRBV15:1774 TCRBV15:177 TCRBV16:148 TCRBV16:171 TCRBV16:171 TCRBV16:171 TCRBV16:151 TCRBV14:158	TCRBVOR 7,22 FOR 12,12 FOR 12,12 FOR 12,12 FOR 13,12 FOR 13,12 FOR 13,12 FOR 13,12 FOR 13,12 FOR 13,12 FOR 13,12 FOR 13,12 FOR 13,12 FOR 13,13 FOR

AC : DA v1.05 F sans Vb19

para

 $AC \rightarrow OG$

Paramètres du pic à récupérer

Analyse foie

216 Natuble 13 Ecrite

Para	mètres des fichiers à utiliser			E TORINGE	
	metres des fictuers d'unitéraise	Feuile	Groupe	F NUTRICE	Hemargues
110	DataFormater OG/006 v1.01	Data.1	1	F177	
111	DataFormater OG/006 v1.01	Data.2	1	FT12	•
12	DataFormater OG/007 v1.04	Data.t	1	FT13	
13	DataFormater OG/007 v1.04	Data.2	1	FT14	
14	DataFormater OG/008 v1.03	Data.1	1	FT15	
15	DataFormater OG/003 v1.01	Data.1	1	FT26	
16	DataFormater OG/005.4 v1.01	Data.1	1	FT27	
17	DataFormater OG/005.4 v1.01	Data.2	1	FT28	
18	DataFormater OG/006 v1.01	Deta.3	1	FT29	
24	DataFormater OG/015 v1.04	Data.1	2	F3*16	
25	DataFormater OG/015 v1.04	Data.3	2	F3'17	
26	DataFormater OG/016 v1.04	Data.1	2	F3'18	
27	DataFormater OG/016 v1.04	Data.3	2	F3*19	
28	DataFormater OG/017 v1.01	Data.1	2	F3*20	
34	DataFormater OG/017 v1.01	Data.3	3	FS21	
95	DataFormater OG/020 v1.01	Data.1	3	FS22	
36	DataFormater OG/020 v1.01	Data.3	3	FS23	2
97	DataFormater OG/021 v1.04	Data.1	3	FS24	
38	DataFormater OG/021 v1.04	Data.3	3	FS25	
44	DataFormater OG/012 v1.04	Data.3	4	F3*S01	
45	DataFormater OG/033 v1.04	Date.3	4	F3*S02	
	DataFormater OG/014 v1.01	Data.1	4	F3*S03	
47	DataFormater OG/014 v1.01	Data.2	4	F3*S04	
48	DataFormater OG/014 v1.01	Date.3	4	F3*S05	<u> </u>
49	DataFormater OG/010 v1.04	Data.1	4	F3*S06	
50	DataFormater OG/010 v1.04	Data.3	4	F3*S07	
51	DataFormater OG/011 v1.04	Data.1	4	F3*S08	
52	DataFormater OG/011 v1.04	Data.3	4	F3*S09	
53	DataFormater OG/012 v1.04	Data.1	4	F3'S10	

Classement selon to some d'oligoclonalité pour chacun des groupes

	Score FT		Sour F3	1.00	Scoreifs		Score Fars	
tonews : 1164		TCR8V05,1 7222	0,52	TCRBV05.1: 222	1,23	TCRBV10: 138	0,22	
respons: 161	क्ट्रिक	TCR6V0S.1 \225	16,0	TCHBV0S.1 (225)	0,62	TCR8V15: 177	0,21	
3RBV08.1:231	0.17	TCRBV19: 167		TCRBV08.1 ; ZET	0,39	TCRBV13: 168	0,20	
FCABV16: 151	0,14	TCRBV09: A44	0,21	TCRBV08,1 (234)	0,33	TCRBV08: 153	0.20	
:ABV08.1:234	0,12	TCRBV09 (147)	0,20	TCRBV05.1: 228	0,29	TCRBV05.2: 218	0,20	
#BV05.1:225	0,12	TCRBV09: 350	0,20	TCRBV05.2: 216	0,21	JTCRBV06.1:225		
THBV05.2:219	0,10	TCRBV09 (153	\	TCRBV08.1: 228	0,20	TCRBV01: 176	0,16	
:RBV08.1; 228	0,10	LATCHBY05.2: 219	0,18	TCRBV06.2 : (219/	0,18	TCRBV10: 141		
:RBV05.1:228	0,10	terbayis, 184	1 100	TCRBV10: 148	0,17	J TCRBV08: 147	0,15	
:ABV05,2:216		TCRBV05.2: 210	0,14	TCRBV10:(138)	41.0	TCRBV05.2: 213	•	
TCHBV10: 138	60'0	TCRBV05.1: 228	0,13	TCRBV20: 152	5) 0,12	TCABV15: 174	0,13	
:RBV05.1:222	80'0	TCRBV14: 158	0,13	TCRBV10:(41)	0,11	TCRBV05.2:218		
fCRBV10: 141	البيد	TCRBV13: 168	0,12	TCABV05.2:213	0,10	TCRBV01: 173	0,11	
:RBV05.2: 222	.,	TC/18V05.2: 222	0,11	TCABV13: 168	0,10	TCRBV08: 146		
CABV18: 168		TCRBV01: 173	0,11	TCRBV15: 174	000	TCRBV08.1:231	0.11	
CHBV18: 169		TCRBV12: 204	0,10	1CRBY10: 135	60'0	TCRBV05.1: 228		
ICRBY04: 198		TCRBV10: 138	0,10	TCRBV16: 145	0,09	TCHBV05.1:231	0,11	
ICRBV12: 204		TCRBV01: 176	0,10	TCRBV14: 158	60'0	TCRBV13: 165		
CCRDV13: 168	_	TCRBY12:210	0,10	TCRBV09: 147	90,0	TCRBV09: 150		
[CRBV01:176		TCRBV15: 174	0,10	TCRBV05.2: 222	90,0	TCRBV10: 135		
ICABV03: 163		JCRBV10: 141	0,10	TCRBV10: 151	80.0	TCRBV06: 149		
ICHBV10: 135		TCRBV12: 201	0,10	TCHBV20: 155	0,08	TCRBV09: 144		
ICHBV02: 158		TCRBV15:177		TCABV15: 177	90,0	TCRBY15: 171	80.0	
ICABV12: 207		TCRBV20: 155		TCRBV08.2: 228	80'0	TCRBV11: 154		
ICRBV02: 161		TCRBV14: 155		TCRBV03: 153	80,0	TCRBV14: 158		
ICHBV14: 158		TCRBV20: 152		TCABV13: 165	0.07	TCRBV01: 170		
[CHBV13: 165		TCABV13: 165		TCRBV20: 149	0,07	TCRBV08.1: 228		
		TCRBV16: 151		TCRBV07: 180	20'0	TCRBV07: 180		
CHBVOA: 185		TCHUY08.1: 231		TCRBV14: 155	90'0	TCRBV08.1:234		
		TCABV02: 158		TCRBV19: 167	30°0	TCRBV06: 143		
(CHBV20: 152		TCRBV14: 161		TCABV15:171	90,0	TCRBV05.1: 222		
ICKBY20: 155		TCRBV20: 149		TCRBV08.3:217	0,08	TCRBV14: 161	00'0	
:HBVU6.2: 228		TCRBV01: 179		TCRBV16: 142	00'0	TCHBV03: 156		
ICRUV01: 173		TCNBV08.1: 228		TCRBY09: 150	90'0	TCRBV08.2: 228		
CHBYOE: 146	0,04	ICHBV12: 207	20'0	TCRBV06: 146	0,06	TCRBV07: 183	90'00	

		Organe	ſ	F = foie	
CaseS Groups\$		Organic	{	R = rate	
	0,00				
	0,00			ſ	T = témoin
RT6	0,00	Groupe			S = directement infecté
RII	0,00	Expérime	enta	1 {	3* = immunisé 3 fois
(5 Y L - 2 E L - 2 E L - 2 E L - 2 E L - 2 E L - 2 E L - 2 E L - 2 E L - 2 E L - 2 E L - 2 E L - 2 E L - 2 E L	0,00 0,00				3*S = immunisé 3 fois,
	0,00			(puis infecté!
R15	0,00				
R521 2	0,00				
R522 2	0,00				
RS23 2 2	0,00				
RS25 2	0,00				
R3*16 3	0,00				
R521 2 R522 2 R523 2 R524 2 R525 2 R3*16 3 R3*17 3 R3*18 3 R3*19 3	0,00				
R3*1B 3	0,00				
	0,00				
R3=S6 4	00,00				
R3*S7 4 R3*S8 4	0,00				
R3(59 4	0,00				
R3*510 4	0,00				
FT26 5	0,00				
5	0,00				
5	0,00				
FT29 5	0,00				
352 5	0,00			TITA	7 05
FT14 5	2,61			FI	G. 85
FT15 5	0,00				
FS21 6 6	0,00				
FS23 6	3,29				
FS24 6	0,00				
F325 F3'16 7	0,00				
FR#17	0,00				
F3*18 7	0,00				
	0,00				
53051 8	0,00				
F3*S2 8	0.00				
F3*S3 8	0,00				
F3*S4 8	0,00				
F3*S6 2 8	0,00				
F3*57	0,00				
F3*S8 8	0,00				
F3*59 8	0,00				
		37.0			

FIG. 86

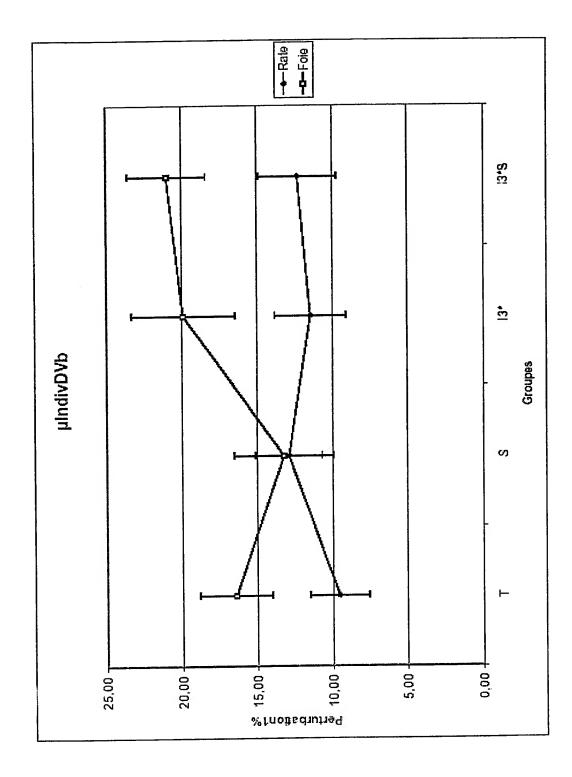


FIG. 87

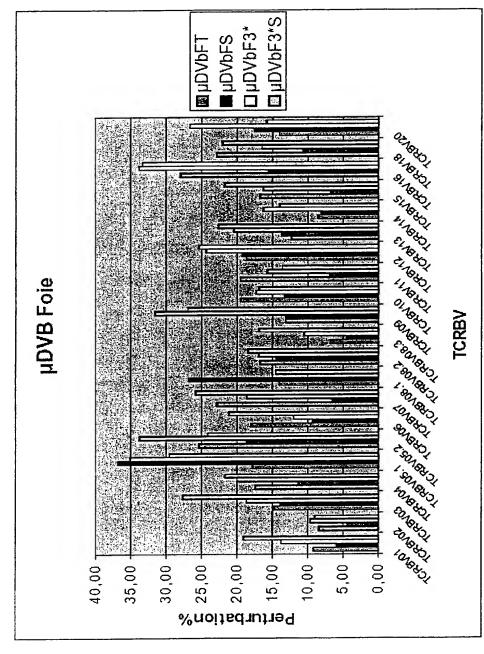


FIG. 88

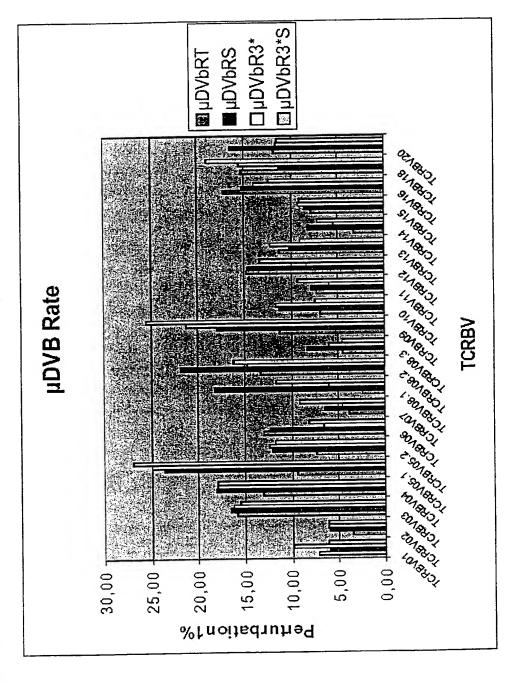


FIG. 894

Tabinau ANCVA prof TCREVOI

	To the	and Souther des carries Cand moyen Volent de F Valeur de p Lambda Philistenna	Cand moyen	Valent de F	Valeur de p	Lambda	Pustance
1	-	301.294	100,431	1,036	3734	3734 3,187	.266.
	-	C-4.07C		3,668		3621 3,666	
Ground Charles	C	277,686		.982	, ,	1099 2,845	E#2"
Présido	8	4146,699	94,248				

FIG.89B

Tablesou de moyennes pour TCROVOI Elfet : Groupe * Organa

R.	North a	Moyers	Dev. Std	ET. Std.
أوالشمو	Ö	7,222	8,452	2.817
	***	8,872	8.703	3,077
	ĽΩ	5,996	1.464	689,
أخنهضتنا	ur)	7.907	.810	386.
	¥5	9,871	9,730	4,352
	₩.	14,896	11,284	5.046
لنبسب	¥D.	6,113	3,748	1.676
SAMPLE .	01	19,010	15,238	20, 40
~	Mineral Carlo Market Street	W * T. C. C. C. C. C. C. C. C. C. C. C. C. C.		

FIG. 89C

Tast PLSO de Fisher pour TCRBVOI

			d Aliera	7879	.2631	.0573	2174	.0566	5600
r TCHBV01		ant.	Oiff, Call.	1,797	7.797	6,631	8,750	7,988	7.988
e Flaher pour	•	and for the last	Ort. moy.	1,047	-4,385	-6,713	.5.433	.7,760	-2.328
Took PLSD de Flaher pour TCRBVOI	Effet : Groups	Niversit de ségnafficatibilié : 5 %		on F	13.	T. 13'S	2, 13,	0, 0, 0	8,E1 (E).

FIG.89D

Test PLSD de Fisher pour TCABVO! Effet : Organe Niveau de eignificetivité : 5 %

Valeur p

5,443

-0,109

ii.

DAR. DOT. CIT.

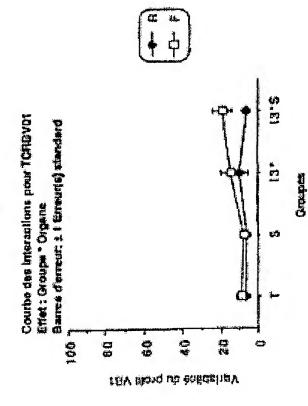


Tableau ANOVA pour TCRBVCZ

.	64	•	60	
Puissance	42,	1697	40	
Lambour	5,343	025 10,262	5,123	
Veleur de p	,1647	.0025	.1792	
Valeur de F	1,781	10,282	1,708	
Cand moyen	(8,769	113,012	18,957	11,101
ddi Somma das cands. Camd moyen. Valvur de F. Valuar de p. Landda. Puissance	59,308	110,012	56,871	488,432
Q	(7)	***	es	**
			Straits Officers	
	Groups	Organia	Crearly.	TANKE.

FIG. 89E

FIG. 89F

Tableau de mayenme pour TCABVO2 Effet : Groupe * Organe

	Nombre	Mayanne	Dev. Std.	Er. Std.
II.	O	3,490	2,263	152'
Li.	Ð	6.657	5,551	1,963
E S	ι¢	8,008	2,337	1,045
is. Vi	3	5,307	1.484	*98°
	uC	6,135	1,630	,729
	kri	10.072	3,368	1,775
13*3, A	9	6,090	2,025	906
T. K.	C	10.027	20.00	1.1.3

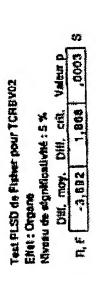
FIG. 89G

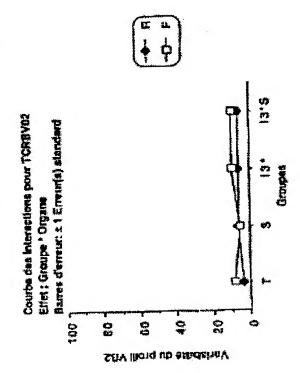
Test PLSD de Fisher pour TCRBV02

Effet: Groupe Niveau de significativité ; 5 %

Valeur p	-	1075	.0226	11077	.0208	6570
OIL CIL	2.676	2,576	2,378	3,003	2,741	2 741
Diff. moy.	,285	-2,181	-2,790	-2,447	350'8-	.608
	so,	, G	T. 13°S		, 13	*****

FIG.89H





Tebleau ANOVA pour TCRBV05.1

	핗	ddl Somme des carrés. Cané moyen. Vakeur de F. Vafeur de p. Landda. Plessarce	Came moyen	Varaur de F	Valent de D	STOR S	Purchance
Granne	m	2329,744	778,581	12,458	c.0001	37,374	1,000
Organie	-	292,059	202,058	4,700	.0356 4.700	4,700	\$55
Groups . Organie	6	157,990	52,663	9*8'	4758	4768 2,53\$	£12,
Preside	4.4	27.42,750	62,335				

FIG. 904

FIG. 90B

Tablesu de moyennes pour TCRBV05.1 Effet : Graupe * Organe

	******			4
•	NOT CARE	MOYERNO	Dev. Std.	ET.
п	3 .	8.418	9,307	3,102
¥4.	80	16,356	10,547	3,729
H K	¥D	23,630	4,660	2,134
u.	35	32,058	4,573	2.045
13+, FR	\$	24,959	2,009	3,136
13° F	*	30,138	6,922	3.006
13.5, H	S	26,983	8.418	2,512
13.8 F	10	20,163	8.018	2.538
		The state of the s		

FIG. 90C

Test PLED de Fisher pour TCRBVDS.1 Effet : Groupe Novesu de signéficatives : 5 %

Test PLSD de Flyber pour TCRBV05.1

Effol: Organo Niveau de algrificativité : 5 %

P. F - 5.858 4,428 ,0107 S

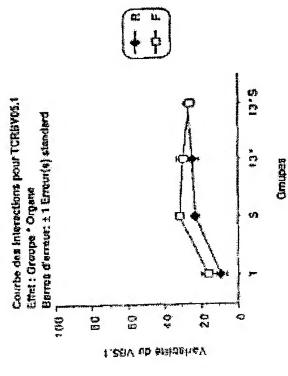


FIG. 90D

Tableau Affin's pour TORBYUS.2

	Z	dell Commis das carress. Carre moyen Valent de F Versus de p Lambola Préngantes	Carré mayen	Valent de F	Versur de D	Lambda	Persona
Cresto	**	1188,456	395,152	4,398		,0086 13,185	
E PO	+	2230,335	2230,335	2	<,0001 24,743	24,743	1.000
Graupe - Organe	417	577'657	151,148	1.677	9281	5,030	#8€'
A SKOL	4	2346,148	90,140				

FIG. 90E

Tetales de mayannes pour TORBV05,2 Effet : Groupe * Organe

	Nombra	Nombre Movemme	OF. Std.	Err. 51d.
Œ	0 5	T.397	8,310	2.770
	rec	14,408	6,948	2.450
Œ	S)	12,099	0,013	4,062
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	V O	20,831	9,563	4,277
Œ	W5	12.444	7,334	3,280
, pa	60	34,650	11,084	4,957
13°5, PA	v	11,758	6,884	3,078
ii.	10	28,408	-	020'7

FIG. 90F

Test PLSO de Fisher pour TCRBV05.2. Effet : Groupe Niveau de ekpnificatividé : 8 %

		ij.	693			×*****
Valento	1345	.0015	9000	1024	1080	.8604
DIN. CIR.	7,628	7,626	8,778	8,557	7,812	7,812
DI#, πογ.	5,700	12,451	*12,165	-7,082	196,9-	988'
	on L	***	1. 3.0	i	2.0	2. C. S

FIG. 90G

Test PLSD de Fisher pour 1 CRB VIS.2

Effet: Organe Niveau de digadificativité : 5 %

	ರು
Valeur D	4,0001
OFF. Crit	6,323
OF BOS	.13,037
اك	ا ت

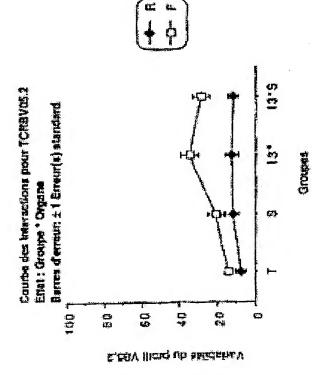


FIG. 90H

Tableau ANOVA pour TCHBV08.1

	D	del Somme des cantes Canté mayer Vaktor de F Valeur de o Lambda Pulmance	Carrié mayen	Vamor de F	Valeur de o	Landa	Pulmanos
Grayne	n	1122,158	374,063	4,332	,0002	0002 12,965	E#8
Organa	#-	693,580	603,590	8,013	6000°	8.013	608,
Drowing County	त्यं	163,848	54,615	169		5988 1,693	158
Reson	44	3694,043	96,452				

FIG. 91A

Tabbesu de mayennes pour TCRBVIII.1 Elter: Groupe * Organe

•	Nombre	Mayana	Dev. Sid.	En. 514,
	0	2,401	1,210	1403
ĿĿ,	đ.	15,375	11,966	3.989
Œ	¥)	10,203	3.900	1,744
ĭL.	₩1	24,239	13,526	670'9
Œ	ES	5.982	2,536	1,134
T	ΝŊ	12,489	7,068	3,181
13. S. 18	43	11,682	15.553	6,955
ia.	0.	15,248	B.140	2,890

FIG. 91B

Test PLSD de Fisher pour TCRBWM.1 Effet : Groupe Nivestu de significativité : 5 %

	en.			CQ.		
Vakeur D	.0016	10034	,0794	5900	180.	14627
	7,300	7,390	6,551	6,380	7,650	7,050
Diff. may.	-12,333	48	-6,83B	11,385	8.406	.6,390
	co F	13	4, 13.55	in in	S. 13.	13.5

FIG. 91C

Taul PLSD de Parher pour TCHAVIS.

Niveru de elgerificativité : 5 %

	ψŞ
Valeur p	1200,
1	5.171
3	
THEOR.	1,369
품	
	11,,
	111

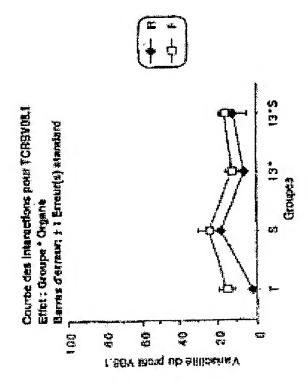


FIG. 91D

Tablesu AMOVA peur TCRBVDRZ

	8	Somme	dos carrés	Sonme des carrés Carré moyen Valeur de l'Valour de p. Lambola Pusosance	Valeur de F	Vatour de p	Lauriteia	Pustance
Menta	6.3		61,854	20,518	422	7363	1,265	,126
Aug.	+		6,460	6,409	.132	1117	,132	¥90°
Groupe Companie	r4		254,375	84,782	1,735	1734	5,204	
bfsiche	*0		2199.526	46,678				

FIG. 91E

Tablesu de moyennes pour TCREVen,2 Effet; Groups * Organe

T	8	13,383	4,862	1,627
**-	0 1	15,148	4.011	2,004
æ	473	21,628	10,938	4,801
THE SE	120	12,804	9,454	4,228
# # # # # # # # # # # # # # # # # # #	ιΩ	14,790	7,593	3,396
u.	(F)	16,325	Ø,14₽	2,760
E. 2. H	1479	16,190	199,8	3,889
13.2°	10	17,919	4,708	48p

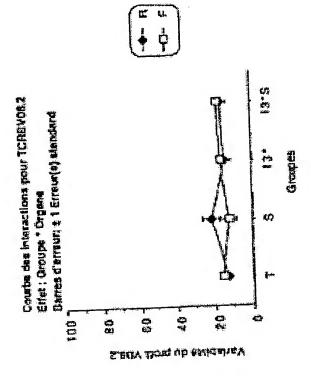
FIG. 91F

FIG. 91G

Tast PLSD de Fleher pour TCREVIB.2. Effet: Graupe Nivens de skynificetivité : 5 % Ditt. mov. fran

2	3509	7848	:2973	.5692	9825	.5270
Lay, Call.	1,35,2	5,554	4,923	6,297	5,749	5,749
	2,550	132'-	778,2	1,793	-,023	-1,820
	20		7. 13.5	in the	o o	

Test PLSO de Fisher pour TCRBVOS.2
Entit Chosen
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Tablesu ANOVA pour TCRRVIO

	5	dol Swinns this cereta Cand mayon Valeur de F Valeur de Di Lambde Pulanence	Cumb mayen	Valeur de F	Valent de p	Lambda .	Pulmence
CATSIDE	K#\$	27,050	210'6	181	3008,	**5,	180
Charle		1092,292	682,292	13,724	-	0008 13,724	1981
Grisupa 1 Organs	17	115.402	LSP'BC	*42	5148	2,321	400
Toda Toda	4.5	2237,141	48,714				

FIG. 924

Tobleson de mayannes pour TCBEV10 Effil: Groupe * Organa

Er Sid	2,658	2,202	2,506	1.012	3,394	3,926	1,133	2,548
Dev Sid.	7.974	6.50€	5,743	3,604	7,590	8,778	2,533	8,375
Mayerne	6,928	17,147	11,231	\$£0,8†	11,694	18,838	7,509	16.473
Takutus M	6	6	un.	es.	S	5	S	101
		8 1	Œ				13.25	

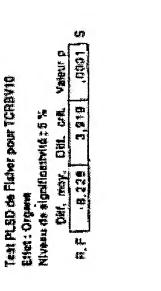
FIG. 92B

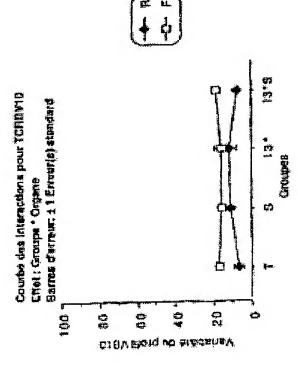
Taxt PLSO de fieher pour TCABVIO Effet: Groupe Niveau de significativité : 6 %

	Diff. may.	15 E	Value D
63	7.847	5,801	.5507
	1.128	5,601	\$375
8.0	-2,780	\$96' >	CE92,
	180,.	4,351	9186
est the	-1,134	862'9	4569
19. T. 19.	-1.053	5,798	7163

FIG. 92C

FIG. 92D





Tataleau ANONA nour TCRBV11

	ψĐ	dell Somme des carrés Carré moyen Valeur de F Valeur de o Lambde Puissance	Carril moyen	Value de F	Valeur de o	Lamoda	Puiceance
noupe	6.2	233,490	77,887	77,097 2,572	1000	0661 7,715	.688
Vours	٠	2349,255	2349,255	77,582	<,0001 77,562	77.562	1,000
Graups Consults	47)	127,530	42,510			2544 4,210	
Headu	4.4	1332,711	30,289				

FIG. 92E

FIG. 92F

Tableau de moyennes pour TCRBVII Effal : Groupe * Crgene

	Nombre	MOYERE	Dev. Std.	En, Std.
or H-	\$	7,353	8,354	2,765
	70	16,802	4,023	1,42
	LO	7,885	3,081	1,780
12.	47	21,184	2,702	1,208
II.	*0	5,066	1,813	. B.
ŁŁ,	**	22,526	6.417	2,870
13.S. A	S	906,8	3,977	1,778
9.5	10	26,025	6.032	1,908

OBLON ET AL (703) 413-3000 DOCKET # 263996USOX PCT INV. Alexis COLLETTE et al. USSN 10/519,950 Reply to O.A. DATED NOVEMBER 1, 2007 REPLACEMENT SHEET(S)

Tast PLSD de Plaher pour TCRBV11 Effet : Groupe Nivosa de slondicashila : 5 %

*
-
4.2
PAPE.
Œ
Dans.
*
C
3
S. C.

			C3		U)	(A)
Valeur o	.2101	,2708	<.0031	6706,	.0116	£800°
OM. crit.	4,420	4,420	3.920	096*	4,528	4,528
Oill. may.	-2,73\$.2.4.E	-8.853	.288	.5,918	*0,206
	SO -	7, 111.	T, 13'8	in in	S. 53	13.

Enel: Organe
Nivasu de significativité: 5 %
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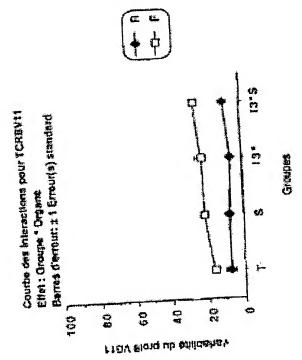


FIG. 92H

Tethanu ANOVA pour TORIBY14

	多	Seame	T P	BITTER	Camb	Payor	de Santre des carrées Carré moyen Valour de p Lantah Pulsantes	Valeur de p	Lambata	Pultantica
i Cilian	67		200	35,4B4	-	1,831	111,831 7,870	9000'	0006 21,210	.078
Jenn	-		17	411,359	4	111,350	26,000	1 <,0001 26,605	26,608	1,030
Graups Organia	E		2	231,272		77,001	A.B.A	1806.	0051 14,821	000
Polysica	इ. प		-	111,807	-	15,418				

FIG. 93A

FIG. 93B

Tableon de moyennes pour TORBV14 Effet : Groupe * Organe

	Montale Mazerine Dev. Sid. Err. Sta	9 3,275 3,363 1,1;	8 6,166 2,423 ,608	g 8.186 2.728 1.219	5 6,830 1,772 ,792	5 5,434 2,510 1,123	5 10,608 7,417 3,317	5 7.217 2,411 1,078	
--	-------------------------------------	--------------------	--------------------	---------------------	--------------------	---------------------	----------------------	---------------------	--

Test PLSD & Pather pour TORBYS

Endt: Otompe illineam de olgaithealivité : 5 %

		100	(ń		W)		
Variation D	,2574	\$100,	4,0001	6790'	9100.	2347	
CHI. CHI.	3,159	3,159	2,800	3,582	3,270	3,270	No. of London, Name of London,
DIM. mon.	1,801	\$00°.	1,264	.3.508	-5,464	-1.956	
	- C-	1	US III			cá.	

FIG. 93C

Test PLSD de Pizher pour TCRBV14
Effet : Organe
fillveau de significativité : 5 %

*	Dil	i. may	Diff.	crit.	Valeur p	
PL F		-6,467	7 2	.210	<,0001	3

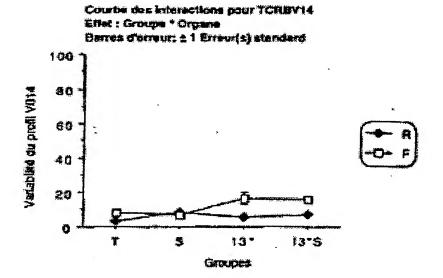


FIG. 93D

FIG. 93E

Tableau ANOVA pour TCHBY15

	\$	del Sontrine des carrés. Carre moyen Valeur de F. Valeur de a Lombda. Pulseuance	Carris moyen	Vateur de F	Villager de a	Lorribda	Pulstance
Groups	E)	163,813	51,271	1.141	3429	3429 3,424	270
EBO	-	1228,163	1226,163	27,299	,0001	27,289	<,0001 27,289 : 1,000
Groupe Ogana	m	BT,328	29,109	848	.5884	5884 1,944	171.
P4510.1	44	1878,302	44.916				

Teblesu de moyemes pour TCHRVES Effet; Groups * Cogene

	Nombre	Moyenne	Day, Std.	Err. Std.
T. B.	Ġ.	7,654	8,273	2,758
u	8	16.668	6,044	2,137
α	*	8,318	2,137	986,
น เก้	2	15,284	3,618	1,818
111	טע	9,270	2,657	1,188
D T	ŝ	20,150	11,402	5,140
13°5, n	**	0.082	4,892	2,188
13.S. F	01	23,008	7,072	2,238

FIG. 93F

termuse algulfloativité : 5 % Diff. Cell. Valeur p. est PLSD de Fisher paue TCRBV15 Neit: Groupe

			₹Ø\$		400	
THE PERSON AND PERSON	.9700	,3161	1609,	.3537	\$120,	11814
C. C.	5,383	5,383	4,786	6,040	5,514	\$,514
Little Hery	101	.2,708	6.424	-2,809	-6,525	3,718
•	₩. ₩.	T. 13*	£ 13°S	ė ė	3, 13,8	13.3

FIG. 93G

Test PLSD de Fisher pour TCRBV15
Effett Crysne
Nivesu de algummentvillé : 5 %
Ohl, moy, DM, crit. Valour p
A, F (-10,796 3,757 <,0001 S

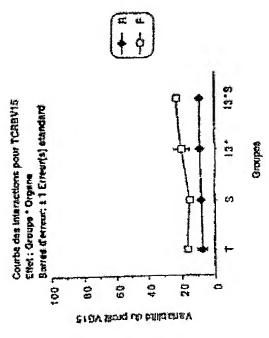


FIG. 93H

Tableau ANOVA pour TCRBV20

	Ş	dal Sommo des carres Carres movien Valeur de F Valeur de p. Lambda Philippendon	Curre moyen	VENEUT OF F	Valeut de D	LAMOGS	PAIIX SELECT
Ground	6	326,663	108,888	1,907	,1423	1423 5,722	450
Ordane	-	588,101	508,101	10,301		0025 10,301	.688
Granthe Organs	6.3	262,288	67,429	1,531		2197 4,584	.366
Reigh	44	2512,080	57,093				

FIG. 94A

Tableau de moyennes pour TCHBV20 Effat : Groupe * Organs

Ert. Std.	2,617	2,739	1,850	1,954	1,383	5,947	2,094	2.628	
Dev. Std.	7,851	7.748	4,136	4,370	3,083	13,297	683.	8,304	
Nombre Mayenna	11,820	14,773	16,432	20,563	11,612	26,895	11,495	17,170	
Nombre	6	83	g,	ಳು	6 D	מי	មា	10	!
	μ.	1 1	n E	ıı.	 E	13*, F	€. 80,	14.0 F	

FIG. 94B

FIG. 94C

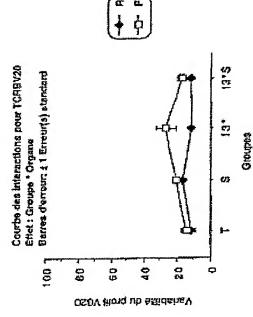
Test PLSD de Fisher pour TCRBV20 Effet: Groups Myeau de significativité : 5 %

						- 411-41
Valeur p	C980'	6020'	,4438	,8228	.3031	2042
Diff, call.	690'9	890'8	5,384	6.810	6,217	6,217
Dill. moy.	. 8,203	-8,044	-2,068	.,761	3,214	3,976
•	on i-	T, 13*	7, 13's	es es	8, 13.5	13. 13.8

lest PLSD de Fisher pour TCRRV20 Effal : Organe Nivosu de significativité : 5 %

FIG. 94D

Nivoau de significativité : 5%
Estir, moy, Diff, crit. Valeur p
R. F. 6, 158 4,235 ,0054



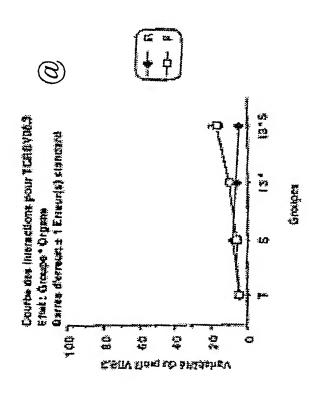
- Seul sera détaillé ici les résultats concernant l'indice Gorochov. Les autres indices ne donnent dans cette étude aucun résultat pertinent (nature plurimodale des profils de certaines unités expérimentales).
- Le type d'infection influe en moyenne sur l'indice Gorochov observé pour les différents.
- L'organe influe en moyenne sur l'indice Gorochov observée pour les différents Vb étudiés.
- L'indice Gorochov observé, en moyenne, sur les différents groupes n'est pas la même selon l'organe considéré.

Résultats de l'ANOVA correspondante: (@: avec effet d'interaction)

T	Esset groupe OUI	Effet groupe NON
Effet organe OUI	5.1 [F3* (222,225) FS (222,225,228)] 5.2 {RS (216) F3* (213) FS (216,219) F3*S (216)} 7 8.1 {RS (231) FS (231,228)} 8.3 @ P>>R pour le groupe I3*S. 14 @ P>>R pour les groupes I3* et I3*S.	2 6 10 {F3*\$ (138)} 11 12@ P>>R pour les groupes 13* et 13*\$. 13 {F3*\$ (168)} 15 {R\$ (174), F3*\$ (177)} 16 20
Effet organe NON	3 @ F>>R pour le groupe 13*S. 9 {F3*(144,147,150,153) F3*S(153)} 18	1 4 8.2

Rq. Les Vb pour lesquels l'indice d'oligoclonalité de certains pics est supérieur au seul de celui du groupe témoin sont suivis, entre parenthèses des groupes concernés.





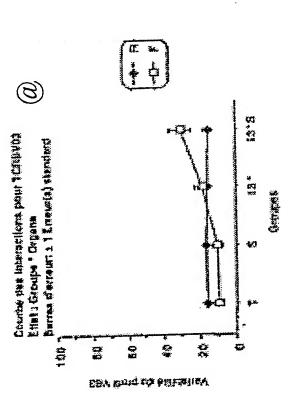
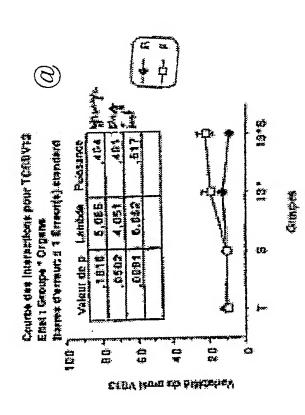


FIG. 95C

FIG. 95D



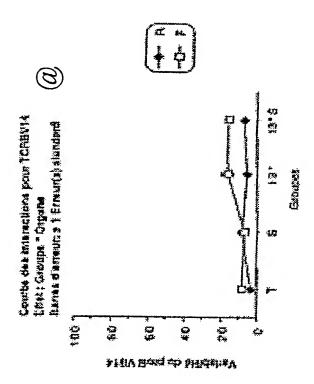


FIG. 95E

FIG. 95F

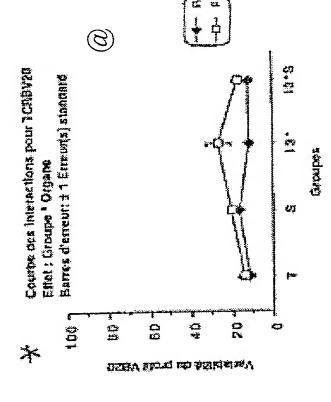
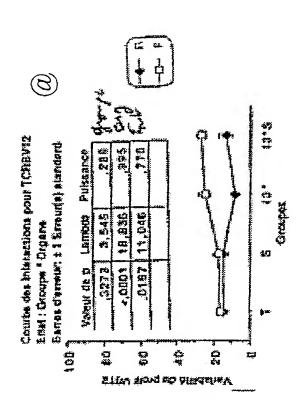
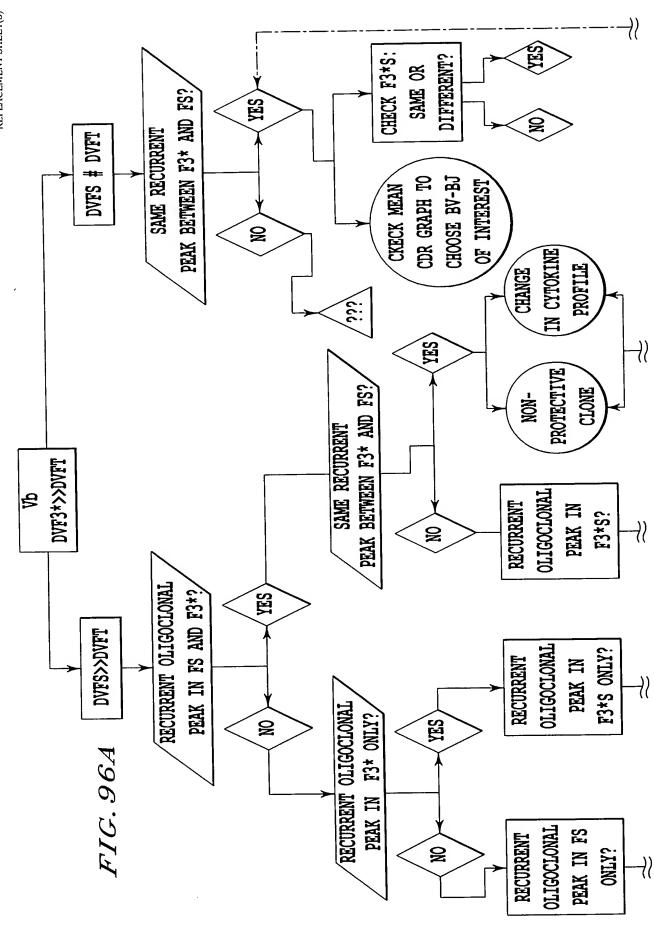
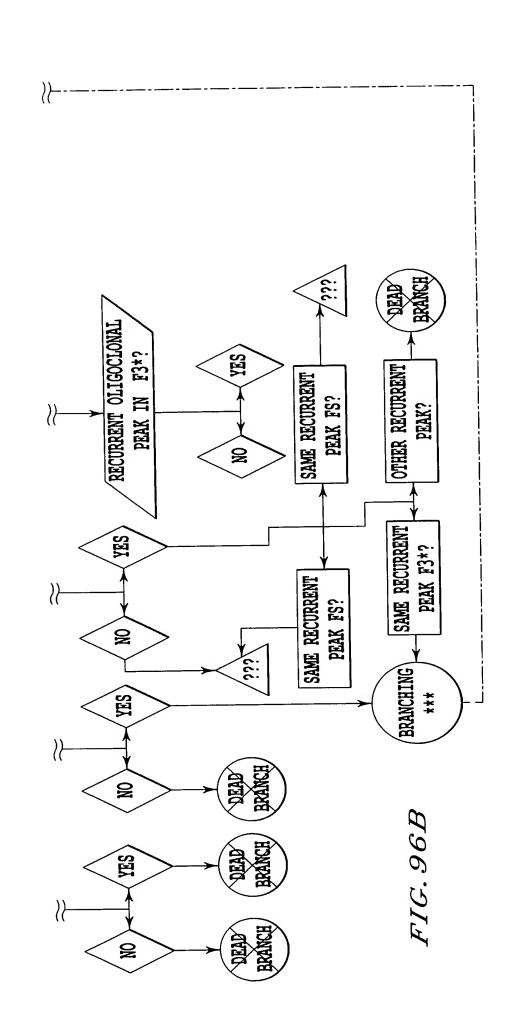


FIG. 95G







Canonical Scores Plot

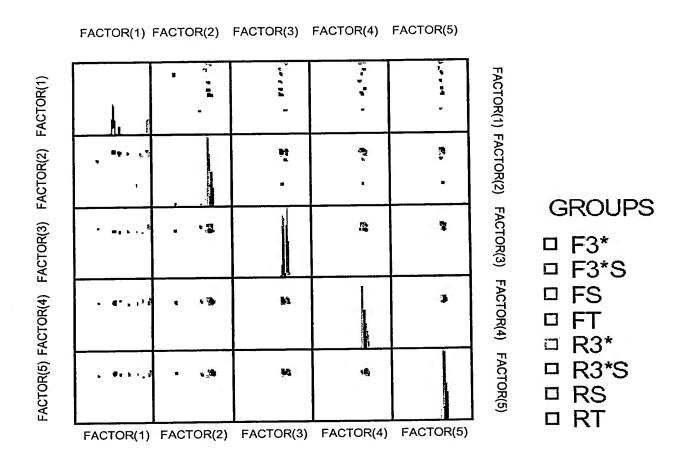


FIG. 97

SYSTAT Rectangular file C:\Utilisateurs\OGp8586\Pr81OG290802.SYD, created Thu Aug 29, 2002 at 15:24:34, contains variables:

CASE\$ TCRBV01_ TCRBV02_ TCRBV03_ TCRBV04_ TCRBV04_ TCRBV051_ TCRBV052_ TCRBV052_ TCRBV06_ TCRBV07_ TCRBV07_ TCRBV081_ TCRBV083_ TCRBV083_ TCRBV09_ TCRBV09_ TCRBV10_ TCRBV11_ TCRBV11_ TCRBV11_ TCRBV11_ TCRBV12_ TCRBV13_ TCRBV13_ TCRBV13_ TCRBV14_ TCRBV15_ TCRBV16_ TCRBV18_ TCRBV18_ TCRBV20_ TCRBV20_	GROUPS\$ TCRBV01_ TCRBV03_ TCRBV03_ TCRBV04_ TCRBV04_ TCRBV051_ TCRBV052_ TCRBV052_ TCRBV06_ TCRBV07_ TCRBV081_ TCRBV081_ TCRBV083_ TCRBV083_ TCRBV083_ TCRBV09_ TCRBV09_ TCRBV10_ TCRBV11_ TCRBV12_ TCRBV11_ TCRBV12_ TCRBV12_ TCRBV12_ TCRBV11_ TCRBV11_ TCRBV12_ TCRBV11_ TCRBV11_ TCRBV12_ TCRBV11_ TCRBV12_ TCRBV12_ TCRBV12_ TCRBV11_ TCRBV11_ TCRBV12_ TCRBV11_ TCRBV12_ TCRBV12_ TCRBV11_ TCRBV	TCRBV01_ TCRBV02_ TCRBV03_ TCRBV03_ TCRBV04_ TCRBV051_ TCRBV051_ TCRBV06_ TCRBV06_ TCRBV081_ TCRBV081_ TCRBV083_ TCRBV083_ TCRBV09_ TCRBV10_ TCRBV10_ TCRBV11_ TCRBV11_ TCRBV11_ TCRBV11_ TCRBV11_ TCRBV11_ TCRBV13_ TCRBV13_ TCRBV13_ TCRBV14_ TCRBV15_ TCRBV16_ TCRBV16_ TCRBV18_ TCRBV18_ TCRBV18_ TCRBV20_ TCRBV20_		TCRBV01_ TCRBV03_ TCRBV03_ TCRBV03_ TCRBV04_ TCRBV051_ TCRBV051_ TCRBV051_ TCRBV06_ TCRBV06_ TCRBV06_ TCRBV081_ TCRBV081_ TCRBV082_ TCRBV083_ TCRBV09_ TCRBV09_ TCRBV10_ TCRBV10_ TCRBV10_ TCRBV11_ TCRBV12_ TCRBV12_ TCRBV12_ TCRBV14_ TCRBV14_ TCRBV14_ TCRBV16_ TCRBV16_ TCRBV16_ TCRBV16_ TCRBV16_ TCRBV16_ TCRBV16_ TCRBV18_ TCRBV18_ TCRBV18_ TCRBV20_	TCRBV01_ TCRBV02_ TCRBV03_ TCRBV03_ TCRBV04_ TCRBV051_ TCRBV051_ TCRBV06_ TCRBV06_ TCRBV06_ TCRBV082_ TCRBV082_ TCRBV082_ TCRBV083_ TCRBV09_ TCRBV09_ TCRBV10_ TCRBV11_ TCRBV11_ TCRBV12_ TCRBV12_ TCRBV12_ TCRBV12_ TCRBV14_ TCRBV14_ TCRBV14_ TCRBV15_ TCRBV16_ TCRBV16_ TCRBV16_ TCRBV16_ TCRBV16_ TCRBV16_ TCRBV18_ TCRBV18_ TCRBV20_
Latent Roots (Eigenv		_	2	4	5
	1	2	3		
	806.097	574.767	525.021	474.758	360.278
	6	7	8	9	10
	326.711	312.488	234.426	220.247	205.757
	s 11	12	13	14	15
	197.164	187.097	166.789	160.829	147.404
	16	17	18	19	20
	130.104	128.438	120.749	108.967	98.134
	21	22	23	24	25

FIG. 98B

90.690	78.013	76.711	61.271	59.256
26	27	28	29	30
50.362	48.663	39.763	37.130	32.355
31	32	33	34	35
29.161	26.169	24.054	21.550	20.080
36	37	38	39	40
18.509	17.875	15.007	13.936	12.903
41	42	43	44	45
11.317	9.508	8.822	8.187	7.641
46	47	48	49	50
6.640	5.734	4.707	4.103	3.624
51	52	53	54	55
3.345	2.374	0.000	0.000	0.000
56	57	58	59	60
0.000	0.000	0.000	0.000	0.000
61	62	63	64	65
0.000	0.000	0.000	0.000	0.000
66	67	68	69	70
0.000	0.000	0.000	0.000	0.000
71	72	73	74	75
0.000	0.000	0.000	0.000	0.000
76	77	78	79	80
0.000	0.000	0.000	0.000	0.000
81	82	83	84	85
0.000	0.000	0.000	0.000	0.000
86	87	88	89	90
0.000	0.000	0.000	0.000	0.000
91	92	93	94	95
0.000	0.000	0.000	0.000	0.000
96	97	98	99	100
0.000	0.000	0.000	0.000	0.000
101	102	103	104	105

FIG. 98C

0.000	0.000	0.000	0.000	0.000
106	107	108	109	110
0.000	0.000	0.000	0.000	0.000
111	112	113	114	115
0.000	0.000	0.000	0.000	0.000
116	117	118	119	120
0.000	0.000	0.000	0.000	0.000
121	122	123	124	125
0.000	0.000	0.000	0.000	0.000
126	127	128	129	130
0.000	0.000	0.000	0.000	0.000
131	132	133	134	135
0.000	0.000	0.000	0.000	0.000
136	137	138	139	140
0.000	0.000	0.000	0.000	0.000
141	142	143	144	145
0.000	0.000	0.000	0.000	0.000
146	147	148	149	150
0.000	0.000	0.000	0.000	0.000
151	152	153	154	155
0.000	0.000	0.000	0.000	. 0.000
156	157	158	159	160
0.000	0.000	0.000	0.000	0.000
161	162	163	164	165
0.000	0.000	0.000	0.000	0.000
166	167	168	169	170
0.000	0.000	0.000	0.000	0.000
171	172	173	174	175
0.000	0.000	0.000	0.000	0.000
176	177	178	179	180
0.000	0.000	0.000	0.000	0.000
181	182	183	184	185

FIG. 98D

$I^{\prime}I^{\prime}U$. JUD					
	0.000	0.000	0.000	0.000	0.000
	186	187	188	189	190
	0.000	0.000	0.000	0.000	0.000
	191	192	193		
	0.000	0.000	0.000		
Component loadings					
	1	2	3	4	5
	-0.075	-0.020	-0.031	0.142	0.070
TCRBV01_6	0.586	0.776	-0.084	0.178	0.101
TCRBV01_7	-2.381	-1.196	4.073	-4.774	2.594
TCRBV01_8	1.202	2.269	1.717	2.764	1.996
TCRBV01_9	3.454	2.257	2.246	1.329	1.040
TCRBV01_10	0.055	2.659	-0.708	1.386	-0.059
TCRBV01_11	-0.258	1.305	-0.889	0.074	0.185
TCRBV01_12	-0.223	0.178	-0.392	0.102	-0.044
TCRBV01_13		0.016	-0.050	0.010	-0.016
TCRBV01_14	-0.021 0.750	-0.283	-0.629	-0.090	-0.108
TCRBV02_6	_	0.642	0.637	-0.136	-0.988
TCRBV02_7	0.480	0.586	0.088	0.089	0.736
TCRBV02_8	0.059	0.110	0.203	0.181	-1.461
TCRBV02_9	1.130	-0.187	0.290	-0.738	0.606
TCRBV02_10	-0.113 -0.724	-0.097	1.786	-0.013	0.307
TCRBV02_11	-0.450	-0.019	0.601	-0.160	0.175
TCRBV02_12	-0.236	-0.160	0.201	-0.296	0.196
TCRBV02_13	-0.023	-0.015	-0.082	0.030	0.014
TCRBV03_4	-0.120	-0.002	-0.121	-0.003	0.061
TCRBV03_5	2.225	0.178	-0.733	-1.112	0.066
TCRBV03_6	2.053	1.677	-0.686	-0.785	0.612
TCRBV03_7	3.224	2.522	-0.052	-1.015	1.279
TCRBV03_8	4.341	2.926	-1.482	-0.044	1.981
TCRBV03_9	-3.235	0.499	3.479	-1.136	4.894 0.546
TCRBV03_10 TCRBV03_11	-5.143	0.869	1.720	2.027	-1.392
TCRBV03_11 TCRBV03_12	-0.448	0.066	1.408	1.085	-2.194
TCRBV03_12	-0.536	-0.476	2.430	2.163	0.005
TCRBV03_13	0.012	-0.001	-0.019	-0.011 -0.668	. 0.049
TCRBV04_7	1.152	-0.155	-0.030		0.155
TCRBV04_8	1.873	0.011	0.527	-0.928 -1.396	0.161
TCRBV04_9	4.587	-1.410	0.450	-0.539	1.093
TCRBV04_10	5.214	-0.729	-0.519	1.854	-0.619
TCRBV04_11	-2.756	0.589	-1.756	1.589	1.304
TCRBV04_12	-3.817	0.894	-0.456	2.556	-2.504
TCRBV04 13	-3.121	1.805	0.381	-2.431	0.426
TCRBV04_14	-3.131	-1.158	1.410	-0.025	-0.070
TCRBV04_15	-0.012	0.154	0.012	-0.095	0.048
TCRBV051_5	0.174	0.196	-0.112	0.178	0.642
TCRBV051 6	0.215	-0.029	0.032	-0.818	1.006
TCRBV051_7	-0.042	-0.512	-0.317	6.584	0.181
TCRBV051_8	5.708	-11.263	7.492	3.037	-1.682
TCRBV051_9	0.294	1.095	-1.810	-2.022	-1.555
TCRBV051_10	-0.617	5.252	-3.907	-6.363	-1.086
TCRBV051_10	-2.015	2.799	2.297	-1.023	-0.729
TCRBV051_12	-0.959	3.191	-0.695	-0.185	-0.127
TCRBV051_12	0.084	0.240	-0.060		-0.045
TCRBV051_13	0.340	0.857	-0.295	-0.436	-0.707
	0.742	2.607	0.258	0.375	-3.444
TCRBV052_7	-2.966	5.924	6.078	3.420	0.061
TCRBV052_8	1.864	-0.893	1.072	-0.675	0.061
TCRBV052_9					

				KEPLACEMENT SI	HEET(S)
		2 220	-2.449	-0.869	-0.364
TCRBV052_10	1.482	-2.328		-1.828	1.509
TCRBV052_11	1.183	-2.592	-0.353	-0.621	0.008
TCRBV052 12	0.184	-2.206	-1.170	-0.073	-0.320
TCRBV052 13	0.013	-0.400	-0.221		
TCRBV06 5	0.028	0.045	-0.011	-0.063	-0.023
TCRBV06 6	0.893	0.443	-0.309	0.021	0.249
	2.017	1.415	0.546	0.161	-0.133
TCRBV06_7	2.766	1.952	1.966	0.511	0.512
TCRBV06_8	3.375	1.408	2.821	-3.418	2.216
TCRBV06_9		2.397	-0.216	1.039	1.658
TCRBV06_10	-2.099	1.046	1.312	1.670	0.587
TCRBV06_11	-2.924		-0.042	1.137	0.619
TCRBV06_12	-1.604	-0.326		0.152	0.181
TCRBV06_13	-0.114	-0.137	-0.185	-0.007	-0.006
TCRBV07 5	0.008	0.028	-0.008		-1.079
TCRBV07 6	0.837	0.060	1.858	1.278	
TCRBV07 7	1.214	-0.479	3.067	-1.119	-0.853
TCRBV07_8	1.397	2.345	0.393	0.465	1.264
TCRBV07_9	4.717	2.550	2.366	-0.826	1.030
_	-0.442	2.391	-0.665	0.761	3.003
TCRBV07_10	-3.185	0.834	-0.280	0.043	1.876
TCRBV07_11	-1.960	0.518	-0.716	0.657	0.453
TCRBV07_12		-0.005	-0.134	-0.042	0.180
TCRBV07_13	-0.246	-0.039	0.066	0.071	0.088
TCRBV081_5	-0.014		-0.102	-0.341	0.688
TCRBV081_6	-0.233	0.804	0.138	-0.835	2.223
TCRBV081_7	0.704	-0.501		0.121	0.646
TCRBV081_8	0.540	-0.086	1.200	-1.541	-0.526
TCRBV081 9	3.830	-4.333	-0.332	2.277	-1.302
TCRBV081 10	-1.574	1.153	-1.559		-0.926
TCRBV081_11	-2.194	2.038	0.379	0.551	
TCRBV081_12	-1.059	0.963	0.211	-0.303	-0.892
TCRBV082_4	0.424	-0.358	-0.028	-0.768	-0.292
TCRBV082 5	1.519	-1.085	-0.387	-2.354	-0.715
TCRBV082_6	1.924	-0.687	0.185	-1.745	-0.622
TCRBV082_7	4.198	-2.368	1.356	-4.012	-2.978
	-1.227	1.076	-0.107	1.819	-0.476
TCRBV082_8	-3.201	2.555	-0.558	3.505	2.871
TCRBV082_9	-2.699	0.852	-0.631	2.618	1.452
TCRBV082_10	-0.938	0.015	0.169	0.937	0.760
TCRBV082_11		-0.041	0.169	0.163	-0.147
TCRBV083_4	-0.014	0.075	0.105	-0.232	-0.108
TCRBV083_5	-0.068	-0.204	-0.849	-0.544	-0.608
TCRBV083_6	0.507	-0.302	1.102	-0.398	1.583
TCRBV083_7	-0.108		0.017	-1.155	1.218
TCRBV083_8	0.297	0.863	-1.272	0.152	0.523
TCRBV083_9	0.473	0.115		0.803	-0.014
TCRBV083_10	-0.565	0.494	-0.172	0.772	-1.418
TCRBV083_11	-0.472	-0.205	1.392	0.439	-1.028
TCRBV083_12	-0.050	-0.797	-0.492		0.079
TCRBV09 5	-0.130	-0.039	0.139	0.133	
TCRBV09 6	0.040	-0.080	-0.402	0.148	0.444
TCRBV09_7	0.934	-0.535	-0.164	-0.246	2.171
TCRBV09_8	0.369	-0.995	2.707	4.763	4.320
	2.212	-0.760	4.327	2.838	3.010
TCRBV09_9	2.774	3.177	0.449	-2.120	3.543
TCRBV09_10	-1.487	2.603	6.703	-3.932	-5.167
TCRBV09_11	-0.264	3.204	-0.360	-1.573	-1.144
TCRBV09_12			-0.183	-0.596	-0.481
TCRBV09_13	0.317	0.847	-0.013	-0.204	-0.066
TCRBV09_14	0.100	0.111	0.013	-0.019	-0.014
TCRBV09_15	0.090	-0.012		-0.518	-0.360
TCRBV10_6	0.486	0.626	-0.103		-1.646
TCRBV10_7	0.830	1.733	1.173	1.028	-0.176
TCRBV10 8	1.789	1.616	-0.162	0.700	
TCRBV10_9	-3.735	-1.632	0.512	-2.124	0.498
TCRBV10_10	-0.813	-1.518	0.188	0.424	0.368
TCRBV10_10	1.331	-0.607	-0.813	0.275	0.931
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FIG. 99A

					2.770
TCRBV10 12	0.123	-0.210	-0.756	0.200	0.378
TCRBV10 13	-0.011	-0.007	-0.040	0.015	0.007
TCRBV11 5	0.054	-0.171	-0.024	0.112	0.227
TCRBV11 6	0.645	0.491	0.188	-0.714	0.376
—	1.025	1.292	1.255	0.194	-0.196
TCRBV11_7	0.761	1.916	2.296	-1.473	-0.143
TCRBV11_8	3.448	1.820	5.538	-0.829	0.968
TCRBV11_9		1.741	0.140	1.767	1.806
TCRBV11_10	-0.317	1.169	-1.376	0.594	1.496
TCRBV11_11	-1.405	0.105	-1.167	1.265	0.817
TCRBV11_12	-1.177		-0.722	0.205	0.474
TCRBV11_13	-0.626	-0.073	-0.180	0.066	0.030
TCRBV11_14	-0.051	-0.033	-0.180	• • • • • • • • • • • • • • • • • • • •	
		0.012	-0.067	0.024	0.011
TCRBV11_15	-0.019	-0.012	0.160	0.162	-0.221
TCRBV12_4	-0.057	0.257		0.630	-3.022
TCRBV12_5	1.293	0.663	2.995	-1.987	1.080
TCRBV12 6	2.748	1.366	1.113		1.916
TCRBV12_7	3.631	0.361	0.059	-2.201	0.698
TCRBV12 8	1.486	-0.394	-3.294	-0.997	
TCRBV12_9	-4.150	-1.433	-2.887	2.225	-0.539
TCRBV12 10	-1.210	-0.525	1.600	1.272	-0.263
TCRBV12 11	-3.118	-0.274	0.050	0.649	0.371
TCRBV12_11	-0.622	-0.022	0.204	0.248	-0.021
_	-0.020	-0.007	-0.107	0.019	0.053
TCRBV13_5	0.236	0.737	0.059	-1.254	-0.553
TCRBV13_6	1.220	-0.566	-1.444	-1.137	2.591
TCRBV13_7		-0.003	-1.307	0.057	1.241
TCRBV13_8	1.117	0.101	4.513	4.666	-4.488
TCRBV13_9	0.093	0.461	-0.842	-1.267	1.472
TCRBV13_10	-2.026		-0.561	-1.254	-0.605
TCRBV13_11	-0.556	-0.611	-0.263	0.081	0.148
TCRBV13_12	-0.312	-0.035	-0.048	0.088	0.140
TCRBV13_13	0.248	-0.076	0.128	-0.072	-0.191
TCRBV14_5	0.002	0.043		-0.723	0.361
TCRBV14_6	0.560	-0.013	-0.866	-0.734	-0.876
TCRBV14_7	-0.886	0.111	0.110	-0.066	-0.369
TCRBV14_8	2.788	-0.379	-0.601	3.516	0.367
TCRBV14_9	0.982	-0.783	-0.866	-1.735	0.565
TCRBV14 10	-1.647	0.192	1.058		-0.069
TCRBV14_11	-1.420	0.784	1.203	-0.363	0.144
TCRBV14 12	-0.314	0.072	-0.065	0.145	0.067
TCRBV14_13	-0.064	-0.026	-0.101	0.031	0.058
TCRBV15 4	-0.048	0.005	-0.098	0.069	
TCRBV15 5	0.876	-1.126	-0.311	0.027	1.451
TCRBV15 6	1.635	0.164	0.742	-0.557	1.197
TCRBV15_7	2.958	1.462	1.759	0.217	1.348
TCRBV15 8	4.711	2.103	2.764	0.244	1.387
TCRBV15 9	-1.609	3.526	3.496	0.975	-0.027
TCRBV15_10	-3.220	1.441	-1.397	0.340	0.671
_	-2.089	0.535	-1.100	0.108	-0.046
TCRBV15_11	-0.876	0.132	0.026	-0.212	-0.172
TCRBV15_12	-0.004	0.063	0.143	0.057	-0.221
TCRBV16_5	0.740	-0.458	0.685	0.961	0.315
TCRBV16_6	4.029	0.612	0.870	0.467	0.419
TCRBV16_7		3.170	-1.084	0.257	-1.066
TCRBV16_8	5.524		-1.963	1.947	-1.891
TCRBV16_9	6.852	5.592	0.669	2.334	-1.033
TCRBV16_10	0.165	3.517	3.607	1.146	4.580
TCRBV16_11	-3.812	-1.117		-6.750	1.526
TCRBV16_12	-8.256	-2.143	5.834	0.085	-0.063
TCRBV16_13	-0.058	-0.024	0.040		0.009
TCRBV18 3	0.030	-0.017	-0.003	-0.005	0.009
TCRBV18_4	0.043	-0.147	0.188	-0.730	
TCRBV18_5	0.125	0.793	1.558	-0.021	-0.578
TCRBV18_5	-1.454	1.826	3.098	-1.120	-0.762
TCRBV18_8	-0.152	3.168	2.247	1.449	1.188
10,00010_/	5.252				

FIG. 99B

		5 070	-0.855	-0.154	3.140
TCRBV18_8	1.814	5.078		1.614	3.512
TCRBV18 9	-1.031	1.918	0.229		1.501
TCRBV18 10	-0.094	1.019	-0.043	1.279	
TCRBV18 11	-0.786	-0.011	-0.531	0.647	1.080
_	-0.061	0.022	0.078	0.163	-0.112
TCRBV18_12	0.049	-0.009	-0.017	-0.010	0.025
TCRBV18_13		-0.081	0.103	0.066	0.252
TCRBV20_5	0.006		0.545	0.203	-0.182
TCRBV20_6	0.820	-0.019		0.515	-0.112
TCRBV20 7	1.733	0.721	0.380		0.208
TCRBV20 8	3.344	1.243	1.094	-0.664	
TCRBV20 9	3.148	2.159	1.851	1.730	1.856
TCRBV20_10	-0.717	3.433	1.768	-1.723	0.168
	-3.744	1.517	1.836	0.103	0.433
TCRBV20_11	-1.968	0.750	-0.669	0.580	0.447
TCRBV20_12		-1.482	-0.948	0.345	2.751
TCRBV20_13	-0.245		-0.079	0.056	0.047
TCRBV20_14	-0.039	0.004	-0.072		
				9	10
	6	7	8	9	20
•				0 005	-0.092
TCRBV01_6	0.021	-0.137	-0.052	-0.005	
TCRBV01 7	-0.643	0.055	0.055	0.226	0.238
_	0.786	-2.649	0.542	2.361	-0.491
TCRBV01_8	0.085	0.952	-0.612	2.294	0.205
TCRBV01_9	-0.117	1.597	-0.377	-1.762	-0.096
TCRBV01_10		0.810	0.368	-1.797	1.295
TCRBV01_11	2.327		-0.371	-0.381	0.648
TCRBV01_12	0.734	0.415		-0.219	0.124
TCRBV01_13	0.489	-0.254	0.165	-0.037	-0.002
TCRBV01_14	0.075	-0.054	0.026	0.366	0.110
TCRBV02 6	-0.411	-0.685	-0.233		-0.673
TCRBV02 7	-0.375	-0.363	0.367	0.450	
TCRBV02 8	-1.359	-0.407	-0.058	-0.717	0.158
TCRBV02_9	-0.206	0.488	-2.104	0.418	0.067
- .	-1.294	-0.476	-0.688	-0.459	0.204
TCRBV02_10	-0.075	0.083	0.450	0.138	-0.089
TCRBV02_11	0.488	0.385	-0.049	0.021	-0.524
TCRBV02_12	0.142	-0.078	0.275	0.192	0.082
TCRBV02_13	0.080	0.027	0.053	-0.011	0.017
TCRBV03_4		0.097	0.112	-0.004	-0.062
TCRBV03_5	0.060		-0.342	0.821	-0.548
TCRBV03_6	-0.107	1.055	-0.772	0.402	-0.358
TCRBV03_7	0.146	1.148		2.683	-0.290
TCRBV03_8	0.035	1.190	-1.144	1.464	0.050
TCRBV03 9	0.647	1.593	-1.654	-0.028	-0.095
TCRBV03_10	2.574	-2.731	1.180		2.068
TCRBV03 11	1.653	-1.677	-2.411	-1.695	
TCRBV03 12	0.457	0.061	1.460	-1.841	0.257
TCRBV03_13	-1.787	-0.027	3.263	-1.111	0.788
TCRBV04 6	0.037	0.015	0.031	0.040	0.044
	-0.299	0.208	-0.066	0.153	0.939
TCRBV04_7	0.213	0.582	-0.761	-0.070	1.250
TCRBV04_8	-0.141	1.267	-0.328	-1.489	1.663
TCRBV04_9			-0.715	-1.192	0.128
TCRBV04_10	-0.590	- 0.912	0.930	-0.875	-1.657
TCRBV04_11	0.112	-0.805		0.034	-2.181
TCRBV04_12	0.160	0.155	0.849	3.168	-0.196
TCRBV04_13	0.079	-0.716	-0.245		0.211
TCRBV04 14	0.515	-1.584	0.155	0.054	
TCRBV04_15	-0.087	-0.034	0.150	0.177	-0.200
TCRBV051 5	-0.106	0.048	0.089	-0.068	0.171
	0.029	0.318	0.252	-0.142	0.301
TCRBV051_6		0.221	0.309	0.500	1.070
TCRBV051_7	-0.159		-2.164	0.044	-0.762
TCRBV051_8	2.572	-2.042	-0.137	2.643	-0.465
TCRBV051_9	4.444	-1.496		1.300	-1.749
TCRBV051_10	-1.104	-0.084	0.969	-1.346	-0.209
TCRBV051_11	-0.987	0.698	2.606		-1.542
TCRBV051_12	-1.048	0.469	-0.142	0.044	-1.272
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FIG. 99C

	-0.111	0.030	0.013	-0.028	0.073
TCRBV051_13	-0.429	-0.125	0.159	0.032	-0.196
TCRBV052_6	-1.586	-1.674	-0.624	0.571	-0.045
TCRBV052_7	-4.403	-0.485	-3.190	0.378	0.467
TCRBV052_8		-2.483	-0.890	2.997	-5.603
TCRBV052_9	1.889	-1.036	1.997	0.374	0.520
TCRBV052_10	2.085	2.322	3.163	-1.554	1.262
TCRBV052_11	3.685	1.373	1.268	0.039	0.557
TCRBV052_12	2.094		-0.089	0.109	-0.072
TCRBV052_13	0.194	0.267	-0.015	-0.010	0.028
TCRBV06_5	-0.028	0.012	0.235	0.175	-0.085
TCRBV06_6	-0.054	-0.562	0.664	0.892	-0.794
TCRBV06_7	-0.102	-0.502	1.946	-0.955	0.019
TCRBV06_8	-1.117	0.072	1.747	-1.565	-0.637
TCRBV06_9	3.021	-2.951	-1.640	-0.765	1.583
TCRBV06_10	2.419	1.433	-1.574	1.468	1.021
TCRBV06_11	-0.259	1.838	-1.405	1.428	0.635
TCRBV06_12	-0.036	1.358		0.012	0.059
TCRBV06_13	-0.086	0.037	-0.213	0.017	-0.024
TCRBV07_5	-0.005	-0.002	0.019	-0.943	1.078
TCRBV07_6	-0.827	-0.235	1.877	-1.146	0.282
TCRBV07_7	3.084	0.756	-0.478	2.083	1.386
TCRBV07_8	-1.780	-0.387	-1.115	0.479	-1.363
TCRBV07 9	0.335	-2.246	-0.097	-0.785	0.280
TCRBV07 10	1.901	1.229	-1.259	0.775	0.062
TCRBV07_11	1.186	0.419	0.927	0.279	0.165
TCRBV07_12	0.030	1.034	-0.156	-0.079	-0.040
TCRBV07 13	-0.167	0.167	0.027	-0.140	0.041
TCRBV081_5	-0.009	0.090	0.005	-0.524	0.273
TCRBV081_6	-0.289	0.625	1.094	-0.857	-0.546
TCRBV081_7	-1.016	2.906	1.137	-0.342	-0.803
TCRBV081_8	-1.066	2.816	0.724	-0.081	-0.371
TCRBV081_9	-2.867	0.115	-1.058	0.308	0.164
TCRBV081_10	3.775	-5.061	-0.414	0.953	0.983
TCRBV081_11	1.486	-1.138	-0.736	0.683	0.259
TCRBV081_12	-0.015	-0.355	-0.752	-0.051	0.638
TCRBV082_4	0.055	-0.029	0.046	0.137	1.641
TCRBV082_5	-0.344	-0.203	-0.521	0.468	1.114
TCRBV082_6	-0.074	-0.440	-0.570 -0.517	-0.195	2.755
TCRBV082_7	0.263	-0.594	-0.254	0.195	-1.583
TCRBV082_8	0.554	-0.492	0.717	-0.634	-2.363
TCRBV082_9	0.305	0.673	0.784	0.019	-1.785
TCRBV082_10	-0.735	0.388	0.315	0.061	-0.418
TCRBV082_11	-0.024	0.696	0.257	-0.085	0.044
TCRBV083_4	-0.131	0.003	-0.036	0.450	0.165
TCRBV083_5	-0.025	-0.087	0.164	0.304	-0.026
TCRBV083_6	0.327	-0.057	1.107	-1.423	-0.272
TCRBV083_7	0.946	0.272	-0.866	-0.517	-0.317
TCRBV083_8	0.428	-0.485	0.379	0.158	-1.019
TCRBV083_9	-0.913	-0.250	-0.083	0.389	0.819
TCRBV083_10	-1.367	-0.538	-0.303	0.126	0.443
TCRBV083_11	0.537	1.008	-0.619	0.598	0.164
TCRBV083_12	0.197	0.136	-0.073	-0.194	-0.105
TCRBV09_5	-0.047	0.092	0.119	0.218	0.618
TCRBV09_6	0.079	0.096	-0.658	0.464	1.475
TCRBV09_7	-0.426	-0.792	-0.059	2.114	2.512
TCRBV09_8	-1.150	0.751	0.603	0.310	1.771
TCRBV09_9	-1.427	-1.220		-0.265	-0.570
TCRBV09_10	-3.653	0.761	-1.931	-0.817	-1.496
TCRBV09_11	2.346	4.886	-2.610	1.915	-2.329
TCRBV09_12	-0.794	-0.147	0.193	0.403	-0.513
TCRBV09_13	-0.370	-0.153	0.008	0.403	-0.044
TCRBV09 14	-0.142	-0.044	-0.045		0.036
TCRBV09_15	-0.033	-0.053	-0.031	0.006	-0.486
TCRBV10 6	-0.011	-0.025	0.240	-0.378	-0.430
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TCRBV10 7	-0.846	-0.571	-0.083	-0.103	-0.801
TCRBV10 8	-1.940	-1.965	0.318	0.191	-1.208
TCRBV10_0	-3.228	-2.858	-3.466	-3.201	-0.140
	0.905	1.209	1.031	1.595	0.029
TCRBV10_10		3.072	1.212	0.989	1.470
TCRBV10_11	3.868	1.125	0.722	0.912	1.126
TCRBV10_12	1.212			-0.005	0.008
TCRBV10_13	0.039	0.013	0.026	0.081	-0.219
TCRBV11_5	-0.050	-0.045	-0.156		0.322
TCRBV11_6	-0.178	-0.975	-0.254	0.425	
TCRBV11 7	-0.707	-0.515	-0.275	0.313	0.285
TCRBV11 8	0.365	-1.932	-0.336	1.796	0.859
TCRBV11_9	1.232	1.065	-2.009	-1.357	-1.209
TCRBV11 10	0.552	0.504	1.077	0.352	0.806
TCRBV11_11	1.134	0.543	1.004	-0.589	0.380
TCRBV11_12	1.027	1.424	0.213	-0.171	0.292
TCRBV11 13	0.143	0.584	0.324	-0.137	0.260
TCRBV11_13	0.175	0.060	0.115	-0.023	0.038
	0.065	0.022	0.043	-0.009	0.014
TCRBV11_15	-0.150	0.055	-0.102	0.270	-0.033
TCRBV12_4	-1.571	0.588	3.528	-0.107	1.233
TCRBV12_5		1.431	0.523	0.279	0.579
TCRBV12_6	-0.568	1.053	0.361	2.507	-0.079
TCRBV12_7	-0.956	0.382	-0.103	1.866	0.641
TCRBV12_8	-0.159			-0.837	0.557
TCRBV12_9	-0.056	-3.527	-0.407	-4.345	-3.795
TCRBV12_10	2.350	1.956	-2.592	0.260	0.800
TCRBV12_11	0.881	-1.674	-0.794	0.107	0.098
TCRBV12_12	0.230	-0.264	-0.413		
TCRBV13_5	0.076	0.008	0.067	0.044	0.033
TCRBV13_6	2.347	1.421	-1.265	-0.081	-0.483
				0 605	-1.078
TCRBV13_7	0.890	-1.644	-0.824	0.685	0.151
TCRBV13_8	-2.806	-0.933	0.717	0.080	
TCRBV13_9	-1.570	0.847	2.456	1.181	0.257
TCRBV13_10	0.410	-0.242	-1.887	-1.004	0.312
TCRBV13 11	0.428	0.590	0.728	-0.956	0.598
TCRBV13_12	0.300	0.096	0.012	0.015	0.275
TCRBV13 13	-0.074	-0.145	-0.005	0.036	-0.065
TCRBV14 5	0.143	0.091	0.098	-0.168	0.061
TCRBV14_6	-0.006	-0.451	0.205	-0.471	-0.095
TCRBV14_7	0.196	-0.358	-1.411	-0.055	1.201
TCRBV14 8	0.723	0.278	-1.039	-0.522	-0.216
TCRBV14 9	-0.986	-0.709	0.892	1.919	-0.163
TCRBV14 10	-0.069	0.383	0.959	-0.075	0.459
TCRBV14 11	0.144	0.249	0.290	-0.350	-1.433
TCRBV14_12	-0.131	0.468	0.006	-0.219	0.121
TCRBV14 13	-0.014	0.049	0.000	-0.058	0.065
TCRBV15 4	0.085	0.146	0.111	0.076	0.114
TCRBV15 5	-0.014	0.965	-0.858	0.796	-2.141
TCRBV15_6	-0.782	0.032	0.709	0.119	0.178
TCRBV15_7	-0.568	-0.412	1.741	0.356	-0.017
- .	0.590	-0.164	0.529	1.953	0.471
TCRBV15_8	2.449	0.557	-1.023	-1.399	0.259
TCRBV15_9	1.173	0.101	-0.702	-0.744	1.992
TCRBV15_10	0.787	-0.388	-0.279	-0.434	0.660
TCRBV15_11		-0.102	-0.482	-0.042	0.311
TCRBV15_12	0.037 -0.149	-0.080	0.366	-0.042	-0.038
TCRBV16_5		-0.135	0.822	-0.106	-0.203
TCRBV16_6	-1.187		-0.183	-2.733	-1.300
TCRBV16_7	-0.990	-2.100	-0.183	0.053	0.684
TCRBV16_8	0.923	-2.155	-0.724	0.202	0.053
TCRBV16_9	6.027	-2.138		1.462	1.876
TCRBV16_10	1.533	4.222	0.883	0.794	-3.877
TCRBV16_11	0.283	3.477	1.545		1.543
TCRBV16_12	0.862	-2.339	-0.839	3.805	
TCRBV16_13	-0.014	0.144	-0.078	0.191	-0.021
-					

	0.010	-0.005	0.011	0.004	0.026
TCRBV18_3	0.010	-0.071	0.845	0.676	-0.408
TCRBV18_4	0.376	-0.234	1.934	0.669	-0.082
TCRBV18_5	0.044	-2.737	2.759	0.137	-0.167
TCRBV18_6	1.002		4.985	-2.402	-0.768
TCRBV18_7	-0.923	-2.518	-0.600	-3.218	0.983
TCRBV18_8	0.355	-3.888	-1.847	-1.847	2.425
TCRBV18_9	-1.719	0.752		0.650	0.739
TCRBV18_10	-0.495	0.068	-1.102	0.157	0.008
TCRBV18 11	-0.631	0.660	-0.391		0.035
TCRBV18 12	0.019	0.095	-0.038	0.137	0.033
TCRBV18 13	0.015	0.021	0.036	-0.010	-0.227
TCRBV20 5	0.091	0.012	-0.065	-0.190	
TCRBV20 6	-0.052	-0.617	-0.670	-0.484	-0.213
TCRBV20 7	0.660	-0.862	0.571	0.475	-0.101
TCRBV20 8	1.607	0.279	-0.753	0.098	-1.345
TCRBV20_9	-1.161	-1.488	-0.001	-0.149	1.441
TCRBV20 10	0.864	0.735	0.117	0.790	1.829
TCRBV20 11	1.879	0.292	0.966	-0.001	1.358
TCRBV20_12	0.598	0.964	0.263	-0.659	0.373
TCRBV20_12	-0.797	1.301	-0.772	0.738	-1.378
TCRBV20_13	0.069	0.118	0.090	0.062	0.092
1CKBV20_14	37702				
	11	12	13	14	15
manny101 (-0.078	0.174	0.009	-0.004	0.123
TCRBV01_6	-0.512	0.096	0.280	0.259	-0.011
TCRBV01_7	-1.333	0.323	0.740	-0.141	-1.727
TCRBV01_8	0.102	-0.588	-2.611	-0.115	-1.011
TCRBV01_9	-0.980	0.909	3.932	-0.993	-0.110
TCRBV01_10		0.718	-0.735	1.775	1.186
TCRBV01_11	0.693	0.599	0.497	0.846	0.433
TCRBV01_12	1.174	0.051	0.068	0.129	0.190
TCRBV01_13	0.033	0.027	0.006	-0.006	0.009
TCRBV01_14	-0.021	-0.275	-0.102	0.043	-0.365
TCRBV02_6	0.154	-0.905	0.185	0.111	0.538
TCRBV02_7	0.127	-0.227	-0.822	0.347	0.338
TCRBV02_8	-1.231	0.417	-0.684	0.218	-0.451
TCRBV02_9	-1.144	-0.026	-0.231	0.930	0.281
TCRBV02_10	-0.414		0.125	0.634	0.701
TCRBV02_11	0.541	-1.179	-0.256	0.435	0.421
TCRBV02_12	0.220	-0.146	0.124	-0.055	-0.160
TCRBV02_13	-0.051	0.004	0.043	-0.069	-0.034
TCRBV03_4	0.047	0.061	0.070	-0.063	-0.009
TCRBV03_5	0.094	0.128	0.618	0.029	-0.061
TCRBV03_6	-0.130	0.799	0.470	-0.218	0.970
TCRBV03_7	0.615	0.934		-1.628	1.389
TCRBV03_8	-0.486	2.181	0.323	0.028	-0.153
TCRBV03_9	-0.872	2.185	0.844	-1.776	-0.932
TCRBV03_10	0.055	-1.247	-0.165	2.395	-1.069
TCRBV03_11	1.977	-1.766	-0.699	1.289	-0.247
TCRBV03 12	0.074		-0.413	1.764	-0.772
TCRBV03_13	-2.295	-0.721	1.094		0.012
TCRBV04_6	0.020	0.001	0.001	0.002	0.248
TCRBV04 7	0.136	-0.017	-0.107	0.240	
TCRBV04 8	-0.292	-0.174	-0.504	0.658	0.212
TCRBV04 9	-1.217	-0.900	-1.231	0.313	1.284
TCRBV04_10	-0.374	-0.005	0.463	1.101	-0.221
TCRBV04_11	1.439	0.706	0.508	1.235	-0.646
TCRBV04_12	0.914	0.618	0.450	0.448	-0.682
TCRBV04_12	-0.411	0.451	1.487	-3.362	1.290
TCRBV04_13	-0.468	-0.813	-0.881	-0.561	-1.477
	0.252	0.134	-0.187	-0.076	-0.019
TCRBV04_15	0.037	0.085	-0.165	0.011	-0.021
TCRBV051_5	0.984	0.372	-0.124	0.178	-0.348
TCRBV051_6		-1.065	-0.286	0.797	0.201
TCRBV051_7	0.266	-1.003	= · =		

FIG. 100B

TCRBV051_8	1.067	-0.727	1.573	0.059	1.657
	0.749	-1.256	1.719	1.549	0.140
TCRBV051_9	1.252	-2.882	-0.338	0.221	-0.562
TCRBV051_10	1.331	0.911	-0.892	0.305	1.625
TCRBV051_11		-1.198	-0.412	-0.321	-0.780
TCRBV051_12	-0.100	0.003	-0.199	-0.045	-0.040
TCRBV051_13	-0.026		-0.400	0.167	-0.219
TCRBV052_6	-0.018	0.036		0.979	-0.694
TCRBV052 7	0.832	-0.605	-0.637	0.442	-1.192
TCRBV052 8	2.655	0.253	0.421		1.751
TCRBV052 9	-1.275	-1.512	-2.308	2.217	
TCRBV052 10	2.679	-1.899	1.344	0.242	-0.080
TCRBV052_11	0.694	-1.580	1.672	-0.806	1.779
_	0.052	-0.423	0.878	-0.484	0.659
TCRBV052_12	-0.059	-0.027	-0.092	-0.004	-0.132
TCRBV052_13	0.015	-0.002	-0.078	0.045	0.027
TCRBV06_5	0.873	0.757	-0.508	0.284	0.106
TCRBV06_6		0.450	-0.304	-0.381	0.385
TCRBV06_7	0.419		-0.052	0.291	0.033
TCRBV06_8	0.174	-0.321	-0.582	0.293	-1.469
TCRBV06_9	-0.676	2.490	0.997	0.924	-0.431
TCRBV06_10	-0.778	0.460		-0.398	0.380
TCRBV06_11	-0.564	-1.128	1.080	0.698	0.343
TCRBV06_12	-0.224	-0.449	1.517		-0.292
TCRBV06 13	-0.160	0.051	0.115	-0.005	-0.004
TCRBV07_5	0.000	-0.002	0.007	0.013	
TCRBV07 6	-0.073	0.647	-0.249	1.430	-0.438
TCRBV07 7	0.061	2.148	-1.865	2.078	-2.463
TCRBV07_7	0.610	0.469	0.846	0.991	0.191
_	3.442	-1.141	2.762	1.322	1.160
TCRBV07_9	-2.361	-1.803	0.384	-2.036	0.444
TCRBV07_10	-1.323	1.075	-0.452	-1.209	-0.014
TCRBV07_11	-1.169	0.638	0.747	-0.781	0.214
TCRBV07_12	-:0.109	0.278	0.005	-0.058	-0.009
TCRBV07_13	•	0.148	-0.058	0.048	-0.062
TCRBV081_5	0.197	-0.052	-0.968	0.605	-0.198
TCRBV081_6	0.170	-0.620	-1.479	0.460	-0.679
TCRBV081_7	-0.839		-0.862	0.605	-0.973
TCRBV081_8	0.396	0.900	2.729	-1.778	-2.626
TCRBV081_9	2.751	-2.471	0.241	0.148	1.929
TCRBV081_10	-1.599	1.636	-0.030	0.057	1.747
TCRBV081_11	-0.824	0.565		-0.145	0.861
TCRBV081_12	-0.252	-0.106	0.427	-0.115	0.042
TCRBV082_4	0.306	0.138	-0.257	0.113	0.380
TCRBV082_5	0.898	0.162	-0.632	0.318	0.175
TCRBV082_6	0.468	0.356	-0.328	-0.025	0.290
TCRBV082_7	1.392	0.760	-1.129		-0.111
TCRBV082_8	-0.942	0.537	0.677	0.358	-0.903
TCRBV082 9	-1.243	-1.178	0.933	-0.276	
TCRBV082_10	-0.635	-0.447	0.845	-0.179	0.033
TCRBV082 11	-0.244	-0.328	-0.109	-0.193	0.095
TCRBV083_4	-0.164	-0.052	0.069	0.119	-0.066
TCRBV083_5	-0.099	-0.045	0.280	-0.196	0.004
TCRBV083_6	0.242	0.026	-0.030	0.469	-0.242
	-0.947		-0.733	-0.681	-0.412
TCRBV083_7	-0.394	-0.908	-0.263	-0.506	0.589
TCRBV083_8		1.475	0.937	1.007	0.280
TCRBV083_9	0.540	0.961	0.788	0.869	-0.446
TCRBV083_10	0.306		-1.164	-0.405	0.471
TCRBV083_11	0.672	1.016	0.116	-0.677	-0.178
TCRBV083_12	-0.156	-0.289		0.078	-0.128
TCRBV09_5	0.266	0.179	-0.059	0.116	-0.105
TCRBV09 6	-0.111	0.146	0.128		-0.174
TCRBV09_7	-0.594	-0.490	0.412	0.140	
TCRBV09 8	2.326	1.296	-4.307	-0.116	-0.213
TCRBV09_9	-4.105	-2.611	1.735	2.524	-0.563
TCRBV09_9	1.694	-0.367	2.112	2.090	-0.820
	-1.337	-0.362	-0.255	1.706	1.682
TCRBV09_11	2.55		~		

				-1.227	-0.188
TCRBV09_12	0.541	-0.364	0.534	-0.311	0.074
TCRBV09 13	0.211	0.151	-0.133	-0.045	0.051
TCRBV09 14	0.125	0.130	-0.114	-0.027	0.013
TCRBV09 15	0.009	0.002	-0.025	0.868	0.090
TCRBV10 6	-0.012	0.368	-0.653	0.888	-0.084
TCRBV10 7	-0.912	0.002	-0.393		-0.364
TCRBV10_/	0.355	0.095	-0.061	0.674	1.149
_	-1.991	-2.010	-0.427	0.144	
TCRBV10_9	1.567	0.473	0.279	-1.791	0.670
TCRBV10_10	0.695	1.273	0.407	-0.031	-1.730
TCRBV10_11	0.275	-0.231	0.827	-0.000	0.285
TCRBV10_12	0.023	0.029	0.021	-0.033	-0.016
TCRBV10_13	-0.193	-0.014	0.031	0.315	0.141
TCRBV11_5	0.376	-0.396	0.466	0.083	0.262
TCRBV11_6	-1.021	-0.708	-0.515	0.206	-0.530
TCRBV11_7	-0.618	-0.189	-0.437	0.867	-0.265
TCRBV11_8	-0.559	0.011	0.206	-2.024	1.101
TCRBV11_9	0.684	1.088	0.268	0.829	-0.592
TCRBV11_10	-0.032	0.970	1.096	0.727	0.166
TCRBV11_11	0.295	0.819	0.576	1.136	-0.948
TCRBV11_12		0.547	0.366	-0.183	-0.153
TCRBV11_13	0.007	0.132	0.094	-0.150	-0.074
TCRBV11_14	0.102	0.049	0.035	-0.056	-0.027
TCRBV11_15	0.038 -0.091	0.082	-0.005	-0.348	0.187
TCRBV12_4		-0.275	-0.056	0.520	0.450
TCRBV12_5	-1.887	-1.728	-0.007	-1.965	1.374
TCRBV12_6	-1.370	-1.145	0.008	0.832	0.147
TCRBV12_7	-0.900	-0.736	0.491	0.882	-0.985
TCRBV12_8	-0.161	1.046	-0.573	0.630	0.530
TCRBV12_9	1.034	2.278	0.950	-0.544	-1.339
TCRBV12_10	2.665	0.418	-0.469	-0.049	-0.546
TCRBV12_11	0.437	0.061	-0.338	0.042	0.183
TCRBV12_12	0.273	0.098	0.045	-0.072	-0.086
TCRBV13_5	0.028	0.100	-0.288	-0.483	-2.301
TCRBV13_6	-0.577	1.404	0.701	0.790	-0.563
TCRBV13_7	-0.692	1.378	1.371	1.368	-0.324
TCRBV13_8	-1.035	0.973	-0.447	-2.218	0.425
TCRBV13_9	-1.463	-2.950	-0.854	-0.823	1.730
TCRBV13_10	2.114	-0.497	-1.093	1.108	1.210
TCRBV13_11	1.287	-0.348	0.284	0.370	0.021
TCRBV13_12	0.316	-0.157	0.282	-0.039	-0.113
TCRBV13_13	0.021	-0.091	-0.288	0.112	0.008
TCRBV14_5	-0.049	-0.564	0.211	-0.628	0.052
TCRBV14_6	0.008	-0.354	-0.163	1.050	0.214
TCRBV14_7	-0.276	0.764	1.069	1.242	-1.025
TCRBV14_8	-0.362	-0.529	-1.315	-0.640	0.109
TCRBV14_9	0.786	-0.525	-		
		-0.907	0.267	-0.782	0.454
TCRBV14_10	-0.477	1.092	0.004	0.011	0.132
TCRBV14_11	0.316	0.451	0.204	-0.275	0.110
TCRBV14_12	0.124	- 0.138	0.010	-0.090	-0.053
TCRBV14_13	-0.070		0.138	0.067	0.001
TCRBV15_4	0.012	-0.078	0.205	2.402	1.265
TCRBV15_5	-1.850	0.707	0.117	-0.358	-0.624
TCRBV15_6	0.065	1.000	-0.309	0.726	-0.696
TCRBV15_7	1.385	-0.331	-1.181	-0.679	-0.295
TCRBV15_8	1.706	-0.015		-2.150	-2.565
TCRBV15_9	-1.423	-2.321	0.532	1.098	1.240
TCRBV15 10	-0.206	2.095	1.694	0.430	0.465
TCRBV15 11	-0.457	1.007	0.755	0.214	0.289
TCRBV15_12	-0.154	0.244	0.236	0.184	-0.132
TCRBV15_12	-0.091	0.009	0.033	1.644	0.804
TCRBV16_5	-0.820	0.114	-0.049		0.165
TCRBV16_0	1.402	0.547	2.353	-1.251	-1.375
TCRBV16_7	-0.242	-1.401	0.563	0.608	-1.373
TCKBVIO_0	•				

TCRBV16 9	-0.508	-1.945	-2.137	0.262	-1.293
TCRBV16_10	1.217	-1.664	2.018	1.802	1.830
-	3.340	-0.994	-1.906	1.049	1.875
TCRBV16_11	0.410	1.889	2.087	0.325	-0.894
TCRBV16_12	-0.071	-0.004	0.100	-0.119	-0.026
TCRBV16_13	0.008	-0.001	0.009	-0.021	0.004
TCRBV18_3			0.314	0.352	0.224
TCRBV18_4	0.464	-0.011	0.536	0.388	0.572
TCRBV18_5	0.602	-0.431		1.667	2.070
TCRBV18_6	1.182	-0.288	1.124	-0.669	-0.124
TCRBV18_7	-0.701	1.554	0.514	-1.371	3.707
TCRBV18_8	0.382	-0.273	-0.817		0.722
TCRBV18 9	0.826	0.369	-1.522	-0.119	1.129
TCRBV18 10	0.431	-0.395	-0.410	-0.265	
TCRBV18 11	-1.118	1.089	-0.078	-0.216	0.141
TCRBV18_12	-0.017	0.102	0.061	-0.269	0.059
TCRBV18_13	0.017	0.022	-0.014	-0.002	0.015
_	-0.139	-0.344	-0.040	-0.216	0.167
TCRBV20_5	-0.136	0.001	0.388	0.103	0.193
TCRBV20_6	0.527	0.900	-0.383	-0.072	-0.663
TCRBV20_7	-0.893	2.152	-0.642	-0.108	-0.774
TCRBV20_8		2.037	-0.021	-2.053	0.144
TCRBV20_9	0.793	0.647	1.517	0.033	1.514
TCRBV20_10	1.088		0.007	0.559	-2.299
TCRBV20_11	0.094	-2.801	1.211	0.927	-0.801
TCRBV20_12	0.625	-0.993	0.037	2.526	1.599
TCRBV20_13	-2.891	0.774	0.112	0.054	0.001
TCRBV20_14	0.010	-0.063	0.112	0.05.	• • • • • • • • • • • • • • • • • • • •
			18	19	20
	16	17	10		
		0.157	0.071	0.040	-0.061
TCRBV01_6	0.124	-0.157	0.717	0.465	-0.518
TCRBV01_7	-0.062	-0.845	0.555	0.526	0.206
TCRBV01_8	-1.057	-0.575		1.528	1.108
TCRBV01_9	0.722	-1.905	1.473	-0.398	-0.287
TCRBV01 10	1.325	2.409	-0.095	-0.873	-0.276
TCRBV01 11	-0.453	0.570	0.135		0.120
TCRBV01 12	-0.420	-0.005	-1.074	-1.012	0.125
TCRBV01 13	0.157	0.356	-0.377	-0.476	0.054
TCRBV01 14	0.023	0.007	-0.040	-0.029	-0.427
TCRBV02 6	0.124	-0.487	0.092	0.060	0.425
TCRBV02 7	0.137	-0.177	-0.015	-0.403	
TCRBV02_8	0.898	-0.608	0.935	-0.899	0.276
TCRBV02 9	0.891	-0.608	0.180	-2.825	-0.066
TCRBV02 10	0.563	-0.344	1.209	-2.132	1.038
TCRBV02 11	0.535	-0.072	0.086	-0.848	0.656
TCRBV02_12	0.057	-0.164	-0.255	0.113	0.913
TCRBV02_12	-0.119	0.038	-0.124	-0.115	0.028
TCRBV02_13	-0.080	0.063	-0.055	0.183	-0.074
	0.017	0.072	-0.042	0.251	-0.093
TCRBV03_5	-0.049	-0.981	0.734	0.182	0.651
TCRBV03_6	-0.240	-1.014	0.022	0.530	0.368
TCRBV03_7	-1.294	-0.648	-0.327	-0.074	-0.214
TCRBV03_8		0.387	1.157	-0.263	-0.296
TCRBV03_9	0.695	0.715	-1.522	-2.032	-0.622
TCRBV03_10	1.129		0.946	0.613	0.755
TCRBV03_11	-0.592	0.692	0.307	-1.371	-0.138
TCRBV03_12	-0.058	0.619		1.753	0.204
TCRBV03_13	0.829	-0.050	0.147	0.035	-0.003
TCRBV04_6	-0.032	-0.039	0.043	-0.021	0.669
TCRBV04_7	0.086	-0.052	-0.209		0.735
TCRBV04 8	0.498	0.595	-0.175	0.273	
TCRBV04 9	1.633	0.667	-0.553	0.853	0.758
TCRBV04 10	1.406	1.839	-1.796	0.574	0.575
TCRBV04_11	-0.894	-2.797	0.324	-0.295	-1.388
TCRBV04_12	0.243	-1.215	0.951	-0.001	-1.222
TCRBV04_12	-1.891	0.962	0.844	-1.124	-1.209
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FIG. 101A

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			0.229	-0.274	1.002
TCRBV04_14	-1.180	0.062	0.342	-0.019	0.082
TCRBV04_15	0.133	-0.022	0.001	0.049	-0.038
TCRBV051_5	0.049	0.126	-0.255	0.342	-0.356
TCRBV051 6	-0.172	0.329	-0.237	0.532	-2.308
TCRBV051_7	0.564	0.652	-1.027	0.178	0.088
TCRBV051_8	-0.607	-1.852		0.296	0.629
TCRBV051_9	0.505	2.708	-1.401	1.567	0.580
TCRBV051_10	1.410	0.309	-0.606	-0.481	0.606
TCRBV051_11	0.191	-1.680	-1.705	0.405	1.067
TCRBV051_12	-0.260	-0.387	0.506	0.034	0.072
TCRBV051_13	0.072	0.055	0.127	0.285	-0.426
TCRBV052_6	-0.021	-0.066	0.048	0.349	-1.158
TCRBV052_7	0.516	0.563	0.432	1.409	1.577
TCRBV052_8	1.275	0.287	-3.475	-0.674	-1.669
TCRBV052_9	0.447	2.745	-0.828	0.947	0.459
TCRBV052_5	0.331	0.319	0.222	0.463	0.986
TCRBV052_11	-0.075	-2.727	-0.831	0.057	0.650
TCRBV052_11	-0.760	-0.671	-0.183	0.086	-0.077
TCRBV052_12	0.040	-0.190	0.018	0.032	0.008
TCRBV052_15	0.001	0.014	-0.014	0.091	0.336
_	0.318	-0.382	-0.296	0.079	-0.238
TCRBV06_6	-0.106	-0.250	0.097	2.042	0.232
TCRBV06_7	1.015	-0.993	0.506	-0.041	0.240
TCRBV06_8	0.155	0.610	-1.311	-0.287	-0.528
TCRBV06_9	0.775	0.108	-0.016	-0.848	-0.011
TCRBV06_10	-1.610	0.622	2.046	-0.984	0.711
TCRBV06_11 .TCRBV06_12	-0.285	0.525	0.107	-0.314	-0.209
TCRBV06_12	0.095	-0.399	0.248	0.003	-0.030
TCRBV07_5	0.001	-0.006	0.033	0.099	-0.432
TCRBV07_5	-0.199	0.250	-0.337	-0.517	-1.191
TCRBV07_7	-0.655	-0.015	-1.094	-0.295	-0.780
TCRBV07_8	-0.707	0.607	0.002	0.743	0.641
TCRBV07_9	-2.083	0.792	1.591	0.196	-0.042
TCRBV07_10	2.228	-0.425	0.112 0.726	-0.364	1.592
TCRBV07_11	0.535	-1.187	0.153	-0.067	0.806
TCRBV07_12	1.107	-0.151	0.181	-0.028	-0.023
TCRBV07_13	0.129	-0.010	-0.109	0.007	0.044
TCRBV081_5	0.013	0.091	0.288	0.012	-0.439
TCRBV081_6	-0.541	0.327	-0.029	0.556	-0.679
TCRBV081_7	-0.518	0.827	-0.575	0.082	-0.739
TCRBV081_8	-1.803	0.175	0.698	-1.334	0.899
TCRBV081_9	0.123	0.510	-0.454	-0.221	0.812
TCRBV081_10	2.174	-2.065	0.127	0.647	-0.016
TCRBV081_11	0.352	-0.104	0.053	0.251	0.119
TCRBV081_12	0.200	0.240	0.365	0.270	0.226
TCRBV082_4	0.049	0.139	0.562	0.192	0.019
TCRBV082_5	0.463	0.344	0.327	-0.317	0.399
TCRBV082_6	0.073	0.598	0.925	-1.173	0.811
TCRBV082_7	0.692	0.806	-0.411	0.222	0.033
TCRBV082_8	0.196	-0.960	-0.838	0.240	-0.546
TCRBV082_9	-0.748	-0.707 -0.492	-0.743	0.435	-0.707
TCRBV082_10	-0.574	0.272	-0.188	0.132	-0.235
TCRBV082_11	-0.152		0.000	0.113	0.011
TCRBV083_4	0.049	-0.010	-0.152	-0.114	0.093
TCRBV083_5	0.183	-0.010	0.511	-0.237	-0.027
TCRBV083_6	-0.087	-0.244	0.484	0.466	0.080
TCRBV083_7	1.562	-0.251	0.490	0.384	-1.463
TCRBV083_8	1.240	0.498	-0.174	0.433	1.133
TCRBV083_9	-1.147	-0.422	0.203	0.659	0.279
TCRBV083_10	-0.259	0.133	-0.426	-1.292	-0.063
TCRBV083_11	-1.268	0.143	-0.426	-0.413	-0.044
TCRBV083_12	-0.273	0.162	-0.935	-0.007	-0.004
TCRBV09_5	-0.018	-0.023	0.298	-0.222	-0.285
TCRBV09_6	-0.059	-0.000	0.230		
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	-0.299	0.014	0.683	-0.647	-0.585
TCRBV09_7	0.845	0.325	1.078	-1.432	1.841
TCRBV09_8	0.057	-1.447	1.129	-0.144	-1.919
TCRBV09_9		-2.132	-0.403	-2.030	-0.489
TCRBV09_10	0.091	0.086	2.772	0.247	0.091
TCRBV09_11	0.168		1.005	-0.468	0.093
TCRBV09_12	0.049	-0.331	0.254	-0.124	0.043
TCRBV09_13	0.331	0.113		0.026	0.069
TCRBV09 14	0.311	0.178	0.149	-0.008	0.029
TCRBV09 15	0.042	0.067	0.015	-0.675	-0.522
TCRBV10_6	-0.048	0.040	0.139	-1.924	-0.602
TCRBV10 7	0.311	-0.534	-1.023	-1.239	0.429
TCRBV10 8	1.288	-0.821	-0.583		0.276
TCRBV10 9	0.178	-0.709	0.306	1.088	
TCRBV10 10	-0.732	0.220	0.837	0.390	1.168
TCRBV10_10	-0.260	1.184	0.179	1.810	-0.676
TCRBV10_11	-0.699	0.588	0.171	0.461	-0.036
	-0.039	0.030	-0.026	0.088	-0.036
TCRBV10_13	-0.187	0.121	-0.022	-0.054	0.064
TCRBV11_5	-0.403	-0.962	0.567	0.149	0.162
TCRBV11_6	-0.099	-0.881	0.560	-0.106	0.368
TCRBV11_7	-0.061	-0.851	0.280	-0.539	-0.037
TCRBV11_8	1.009	0.080	-0.135	0.004	-0.111
TCRBV11_9		0.408	-0.147	-0.359	0.545
TCRBV11_10	0.417	0.837	0.107	-0.425	0.336
TCRBV11_11	0.105	0.524	0.250	0.166	-0.212
TCRBV11_12	0.065	0.392	0.070	0.387	-0.355
TCRBV11_13	-0.249		-0.119	0.398	-0.161
TCRBV11_14	-0.174	0.137	-0.044	0.148	-0.060
TCRBV11_15	-0.065	0.051	-0.262	-0.166	-0.207
TCRBV12_4	-0.244	0.064	-0.599	-0.243	-0.526
TCRBV12_5	-1.143	0.239	-0.679	0.103	-0.365
TCRBV12_6	0.699	0.772	-1.048	0.097	1.693
TCRBV12_7	-1.397	0.324		-0.817	0.050
TCRBV12_8	1.237	-0.944	-0.089	-0.049	-1.230
TCRBV12_9	-0.144	0.008	1.166	-0.210	0.230
TCRBV12_10	0.229	-0.337	0.371	0.658	0.117
TCRBV12 11	0.655	0.039	0.818	0.629	0.238
TCRBV12_12	0.109	-0.166	0.321	0.302	-0.156
TCRBV13 5	-0.120	0.101	-0.151	1.069	-0.024
TCRBV13 6	0.219	-0.180	0.339	-0.422	1.965
TCRBV13 7	0.336	-0.753	0.308	0.931	0.916
TCRBV13_8	-0.253	-0.434	0.583		0.098
TCRBV13 9	-0.136	0.253	-0.955	0.323 0.492	-1.495
TCRBV13 10	0.615	0.796	0.191		-1.172
TCRBV13 11	-0.627	0.030	-0.067	-1.998	
TCRBV13_12	0.155	0.326	-0.308	-0.711	-0.234
TCRBV13_13	-0.189	-0.140	0.061	0.013	0.101
TCRBV14 5	-0.199	-0.049	0.061	-0.224	-0.008
TCRBV14_6	0.772	-0.000	-0.173	-0.210	-0.758
TCRBV14_7	-0.673	-0.330	1.015	0.553	0.062
TCRBV14_8	0.312	-0.529	-0.133	-0.306	-0.777
TCRBV14_9	2.124	0.026	-0.375	-0.035	1.647
TCRBV14_9	-1.006	0.793	-0.506	-0.449	-0.709
	-0.945	0.163	0.354	0.464	0.697
TCRBV14_11	-0.307	-0.108	-0.291	0.149	-0.104
TCRBV14_12	-0.079	0.033	0.048	0.059	-0.050
TCRBV14_13	-0.069	0.047	-0.002	-0.041	0.038
TCRBV15_4		0.821	-0.612	0.508	1.755
TCRBV15_5	-1.626	-0.803	0.108	0.105	-0.695
TCRBV15_6	-0.294		0.567	0.897	-1.000
TCRBV15_7	-0.310	-1.202	-0.195	-0.387	-2.128
TCRBV15_8	0.473	-0.798	0.793	-1.055	2.012
TCRBV15_9	-1.754	0.153		-0.576	0.071
TCRBV15_10	2.513	0.699	0.264	-0.046	0.332
TCRBV15_11	1.052	0.811	0.078	3.043	2.222
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		0.129	0.365	0.366	0.157
TCRBV15_12	0.373		0.260	0.062	-0.063
TCRBV16_5	0.146	-0.002		0.761	0.949
TCRBV16_6	-0.200	-0.088	-0.380	0.641	-0.147
	-0.042	0.935	0.401		0.478
TCRBV16_7	0.165	1.818	-0.501	-0.790	
TCRBV16_8		-1.579	-0.346	0.342	0.375
TCRBV16_9	-2.297		-0.706	0.161	-0.469
TCRBV16 10	1.631	-1.711	0.138	-0.291	0.474
TCRBV16_11	1.966	0.598		1.928	-0.653
TCRBV16 12	0.732	0.347	-2.025		-0.060
	0.010	-0.203	-0.071	-0.121	
TCRBV16_13	0.003	0.009	0.025	0.002	0.021
TCRBV18_3	•	0.172	1.117	-0.505	-0.140
TCRBV18_4	-0.382		2.138	-0.633	-0.143
TCRBV18 5	-0.088	0.569	3.683	0.621	0.572
TCRBV18_6	0.177	0.767		-1.603	1.022
TCRBV18 7	0.141	2.436	0.365		0.801
-	-2.443	-0.368	-1.166	0.594	
TCRBV18_8	-2.942	0.730	-0.489	1.739	-0.345
TCRBV18_9		1.406	-1.356	1.166	-0.982
TCRBV18_10	-1.010		-0.400	0.442	-0.154
TCRBV18 11	-0.379	1.000		0.079	-0.144
TCRBV18_12	-0.210	0.135	-0.170	0.008	0.032
	0.017	0.073	0.006		-0.209
TCRBV18_13	0.174	0.057	0.143	0.002	
TCRBV20_5		-0.883	0.112	0.476	-0.215
TCRBV20_6	0.316	-0.721	-0.117	1.019	-0.307
TCRBV20 7	1.152		1.419	2.026	-0.289
TCRBV20 8	0.936	0.095		0.289	-0.908
TCRBV20_9	0.848	1.014	2.647		-0.435
	-0.694	-2.291	-1.970	-1.817	
TCRBV20_10	-0.868	0.564	-0.547	-0.839	1.198
TCRBV20_11		0.778	-0.076	-0.695	0.193
TCRBV20_12	0.171		-0.243	-0.657	1.482
TCRBV20_13	-1.621	1.203	-0.001	-0.033	0.031
TCRBV20_14	-0.056	0.038	-0.001		
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	21	22	23	24	23
					0 220
_	0.176	0.112	0.092	0.019	0.220
TCRBV01_6		0.204	0.115	0.784	-0.249
TCRBV01_7	-0.025		-0.567	0.525	0.793
TCRBV01_8	-0.548	0.610	-1.334	0.404	0.220
TCRBV01_9	0.806	-0.919		-1.577	-1.049
TCRBV01_10	1.758	1.350	-0.293		0.032
	0.213	-0.948	0.690	0.516	0.126
TCRBV01_11	-0.628	-0.167	1.157	0.782	
TCRBV01_12				^ ^ 6	
TCRBV01_13		-0.154	0.417	-0.050	0.203
	-0.014	-0.154	_	-0.007	0.203 -0.025
	0.007	-0.030	0.022	-0.007	
TCRBV01_14		-0.030 -0.144	0.022 -0.062	-0.007 -0.182	-0.025 -0.046
TCRBV01_14 TCRBV02_6	0.007	-0.030	0.022 -0.062 0.634	-0.007 -0.182 -0.200	-0.025 -0.046 0.247
TCRBV01_14 TCRBV02_6 TCRBV02_7	0.007 -0.154 -0.300	-0.030 -0.144	0.022 -0.062 0.634 0.397	-0.007 -0.182 -0.200 -0.490	-0.025 -0.046 0.247 0.138
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8	0.007 -0.154 -0.300 -0.753	-0.030 -0.144 -0.612 -0.138	0.022 -0.062 0.634	-0.007 -0.182 -0.200 -0.490 -0.541	-0.025 -0.046 0.247 0.138 -0.216
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9	0.007 -0.154 -0.300 -0.753 -0.882	-0.030 -0.144 -0.612 -0.138 -1.559	0.022 -0.062 0.634 0.397 1.175	-0.007 -0.182 -0.200 -0.490	-0.025 -0.046 0.247 0.138 -0.216 -0.075
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10	0.007 -0.154 -0.300 -0.753 -0.882 -0.241	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310	0.022 -0.062 0.634 0.397 1.175 0.858	-0.007 -0.182 -0.200 -0.490 -0.541	-0.025 -0.046 0.247 0.138 -0.216
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219	0.022 -0.062 0.634 0.397 1.175 0.858 0.346	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399	-0.025 -0.046 0.247 0.138 -0.216 -0.075
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11	0.007 -0.154 -0.300 -0.753 -0.882 -0.241	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216	0.022 -0.062 0.634 0.397 1.175 0.858 0.346	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV02_12	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054	0.022 -0.062 0.634 0.397 1.175 0.858 0.346	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV02_12 TCRBV03_4	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV02_12 TCRBV03_4 TCRBV03_5	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV02_12 TCRBV03_4 TCRBV03_5	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV02_12 TCRBV03_4 TCRBV03_6	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV02_13 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_7	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV02_13 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_7 TCRBV03_8	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367 0.560	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177 -0.183	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901 -0.343	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332 0.379	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677 -0.169
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV02_13 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_7 TCRBV03_8 TCRBV03_9	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367 0.560 1.092	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177 -0.183	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332 0.379 0.653	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677 -0.169 0.548
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_7 TCRBV03_8 TCRBV03_9 TCRBV03_10	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367 0.560 1.092 -2.127	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177 -0.183 -0.655	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901 -0.343	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332 0.379 0.653 0.237	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677 -0.169 0.548 -1.295
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_7 TCRBV03_8 TCRBV03_9 TCRBV03_10 TCRBV03_11	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367 0.560 1.092 -2.127 0.172	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177 -0.183 -0.655 0.102	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901 -0.343 -1.703 -0.182	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332 0.379 0.653	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677 -0.169 0.548 -1.295 -0.379
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_7 TCRBV03_8 TCRBV03_9 TCRBV03_10 TCRBV03_11	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367 0.560 1.092 -2.127 0.172 0.681	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177 -0.183 -0.655 0.102 0.039	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901 -0.343 -1.703 -0.182 -0.892	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332 0.379 0.653 0.237 -0.369	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677 -0.169 0.548 -1.295
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_7 TCRBV03_8 TCRBV03_9 TCRBV03_10 TCRBV03_11 TCRBV03_12	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367 0.560 1.092 -2.127 0.172	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177 -0.183 -0.655 0.102 0.039 -0.193	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901 -0.343 -1.703 -0.182 -0.892 0.955	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332 0.379 0.653 0.237 -0.369 0.609	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677 -0.169 0.548 -1.295 -0.379 0.385
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_7 TCRBV03_8 TCRBV03_9 TCRBV03_10 TCRBV03_11 TCRBV03_11 TCRBV03_12 TCRBV03_12	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367 0.560 1.092 -2.127 0.172 0.681	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177 -0.183 -0.655 0.102 0.039	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901 -0.343 -1.703 -0.182 -0.892 0.955 0.032	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332 0.379 0.653 0.237 -0.369 0.609 -0.044	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677 -0.169 0.548 -1.295 -0.379 0.385 -0.079
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_7 TCRBV03_8 TCRBV03_9 TCRBV03_10 TCRBV03_11 TCRBV03_12 TCRBV03_12 TCRBV03_13 TCRBV04_6	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367 0.560 1.092 -2.127 0.172 0.681 -0.149 -0.011	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177 -0.183 -0.655 0.102 0.039 -0.193	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901 -0.343 -1.703 -0.182 -0.892 0.955 0.032 0.112	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332 0.379 0.653 0.237 -0.369 0.609 -0.044 0.430	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677 -0.169 0.548 -1.295 -0.379 0.385 -0.079 -0.034
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_6 TCRBV03_7 TCRBV03_8 TCRBV03_9 TCRBV03_10 TCRBV03_11 TCRBV03_12 TCRBV03_12 TCRBV03_13 TCRBV04_6 TCRBV04_7	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367 0.560 1.092 -2.127 0.172 0.681 -0.149 -0.011 0.125	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177 -0.183 -0.655 0.102 0.039 -0.193 0.031 0.106	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901 -0.343 -1.703 -0.182 -0.892 0.955 0.032	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332 0.379 0.653 0.237 -0.369 0.609 -0.044	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677 -0.169 0.548 -1.295 -0.379 0.385 -0.079
TCRBV01_14 TCRBV02_6 TCRBV02_7 TCRBV02_8 TCRBV02_9 TCRBV02_10 TCRBV02_11 TCRBV02_12 TCRBV03_4 TCRBV03_5 TCRBV03_6 TCRBV03_7 TCRBV03_8 TCRBV03_9 TCRBV03_10 TCRBV03_11 TCRBV03_12 TCRBV03_12 TCRBV03_13 TCRBV04_6	0.007 -0.154 -0.300 -0.753 -0.882 -0.241 -0.595 -0.223 -0.083 0.084 0.260 0.805 0.367 0.560 1.092 -2.127 0.172 0.681 -0.149 -0.011	-0.030 -0.144 -0.612 -0.138 -1.559 -0.310 0.219 0.216 -0.054 0.059 0.057 0.524 0.132 0.177 -0.183 -0.655 0.102 0.039 -0.193 0.031	0.022 -0.062 0.634 0.397 1.175 0.858 0.346 0.268 -0.072 -0.092 -0.045 0.640 1.060 0.901 -0.343 -1.703 -0.182 -0.892 0.955 0.032 0.112	-0.007 -0.182 -0.200 -0.490 -0.541 -1.293 -0.399 -0.271 -0.051 0.089 0.149 0.081 -0.101 -0.332 0.379 0.653 0.237 -0.369 0.609 -0.044 0.430	-0.025 -0.046 0.247 0.138 -0.216 -0.075 -0.503 -0.172 0.146 0.012 0.083 0.446 -0.038 0.677 -0.169 0.548 -1.295 -0.379 0.385 -0.079 -0.034

mcnntto4 9	-0.380	-0.497	0.305	0.967	0.401
TCRBV04_9 TCRBV04 10	0.067	0.229	-0.235	-1.262	0.703
TCRBV04_10	0.696	0.081	-0.381	-1.045	-0.781
TCRBV04_12	0.930	-0.023	0.262	0.160	-0.422
TCRBV04_13	-1.525	-0.411	-0.484	0.267	-0.492
TCRBV04_14	0.085	0.119	-0.064	-0.042	0.604
TCRBV04_15	-0.145	0.222	-0.039	0.153	-0.031
TCRBV051_5	-0.187	0.084	0.140	-0.156	-0.047
TCRBV051_6	-0.784	0.005	1.127	-0.349	-1.081
TCRBV051 7	-0.145	0.663	0.917	-0.724	-1.560
TCRBV051 8	1.494	0.566	-0.074	1.290	0.101
TCRBV051 9	-2.002	-1.365	0.071	-0.026	-0.021
TCRBV051 10	0.689	0.479	-0.173	-1.119	0.751
TCRBV051 11	0.589	0.298	-2.312	-0.076	0.224
TCRBV051 12	0.311	0.128	-0.474	0.243	0.596 0.025
TCRBV051_13	-0.058	0.172	-0.043	0.226	-0.083
TCRBV052 6	-0.193	0.005	0.047	-0.306	0.734
TCRBV052_7	0.474	0.620	0.038	0.063	-1.125
TCRBV052_8	-0.841	1.022	0.192	1.215 0.213	0.509
TCRBV052_9	0.841	0.225	-0.634	-0.944	-0.388
TCRBV052_10	0.915	-0.694	0.182	-0.179	-0.233
TCRBV052_11	-0.563	-0.004	-0.516	-0.596	-0.379
TCRBV052_12	-0.552	-0.167	-0.179 0.050	-0.157	-0.044
TCRBV052_13	-0.175	0.021	-0.049	-0.038	0.124
TCRBV06_5	0.006	0.012	0.336	0.547	-0.537
TCRBV06_6	0.384	-0.089 0.824	0.632	0.069	-0.184
TCRBV06_7	0.510	0.455	0.106	0.178	0.432
TCRBV06_8	0.278 1.472	-0.367	-0.245	-0.017	-0.570
TCRBV06_9	-0.804	-0.066	0.105	0.279	0.045
TCRBV06_10	-0.178	-0.623	0.586	0.092	1.272
TCRBV06_11	0.080	-0.207	-0.967	0.384	-0.366
TCRBV06_12 TCRBV06_13	-0.004	0.120	-0.206	-0.099	0.054
TCRBV00_13	0.005	-0.011	0.025	0.001	-0.061
TCRBV07_6	0.273	-0.356	0.593	-0.086	-0.048
TCRBV07 7	-0.452	-1.366	0.766	0.175	-0.434
TCRBV07 8	-0.701	0.737	-0.779	0.164	-0.084
TCRBV07 9	0.020	-0.299	0.263	-0.804	1.635 -0.753
TCRBV07_10	0.525	0.727	-0.751	1.821 0.200	0.171
TCRBV07_11	0.931	0.422	0.884	-0.173	-0.303
TCRBV07_12	0.869	0.257	-0.832	0.098	0.148
TCRBV07_13	0.275	-0.052	0.129 0.214	-0.042	-0.124
TCRBV081_5	-0.186	0.018	-0.237	-0.181	0.147
TCRBV081_6	-0.383	0.415	-0.377	0.501	-0.332
TCRBV081_7	-0.135	0.263 0.091	0.358	0.083	-0.587
TCRBV081_8	-0.470 1.522	-2.568	-1.689	1.176	0.150
TCRBV081_9	0.102	1.256	0.980	-0.910	0.959
TCRBV081_10	-0.321	0.553	0.529	-0.535	-0.090
TCRBV081_11	-0.129	-0.027	0.222	-0.092	-0.122
TCRBV081_12	-0.605	0.479	0.143	-0.066	0.096
TCRBV082_4 TCRBV082 5	-0.214	0.771	0.245	0.443	0.490
TCRBV082_5	-0.308	1.061	0.104	0.159	0.290
TCRBV082_7	0.105	1.090	0.137	0.544	0.534
TCRBV082 8	-0.909	-2.105	-0.899	-0.301	-0.941
TCRBV082 9	0.967	-0.858	-0.159	-0.188	-0.426
TCRBV082_10	0.650	-0.672	-0.046	-0.573	-0.063
TCRBV082 11	0.313	0.234	0.474	-0.016	0.019
TCRBV083_4	-0.010	-0.006	0.079	0.049	0.038
TCRBV083_5	-0.037	-0.000	-0.069	0.041	0.079
TCRBV083_6	-0.326	-0.030	-0.069	0.140	-0.048 -0.242
TCRBV083_7	-0.331	0.408	-0.024	0.293	-0.242 -0.342
TCRBV083_8	-0.608	0.310	-0.479	0.183 -0.094	0.578
TCRBV083_9	-0.990	-0.398	0.460	-0.034	3.3.0

				0.766	0.370
TCRBV083 10	0.333	0.091	0.214	-0.766	-0.658
TCRBV083 11	1.560	-0.275	-0.432	0.101	0.226
TCRBV083_12	0.410	-0.100	0.321	0.054	
TCRBV09 5	-0.154	-0.028	0.180	0.083	-0.236
TCRBV09 6	-0.220	0.273	0.448	-0.401	0.203
TCRBV09_7	0.191	0.844	0.598	-0.603	-0.383
_	-1.128	-0.203	-0.908	-2.343	0.176
TCRBV09_8	-1.097	-0.258	0.663	-0.596	1.788
TCRBV09_9	-0.528	0.356	0.622	-0.181	-0.575
TCRBV09_10	0.462	-1.803	-1.502	-0.530	0.616
TCRBV09_11	0.124	0.435	1.089	1.636	0.320
TCRBV09_12	0.124	0.467	0.605	0.913	-0.066
TCRBV09_13	0.131	0.199	0.164	0.490	0.108
TCRBV09_14		-0.003	0.032	0.081	-0.037
TCRBV09_15	0.030	0.362	-0.485	-0.361	-0.139
TCRBV10_6	0.722	0.382	-0.713	0.063	0.823
TCRBV10_7	0.842	-0.457	-0.381	-0.072	1.074
TCRBV10_8	0.316		1.048	0.279	-1.374
TCRBV10_9	0.045	-0.956	0.421	-0.130	-0.567
TCRBV10_10	-0.434	-0.530	0.111	0.352	0.481
TCRBV10_11	-1.029	0.651	0.044	-0.173	-0.303
TCRBV10_12	-0.502	0.520	-0.044	0.043	0.006
TCRBV10_13	0.040	0.028		0.134	-0.098
TCRBV11_5	-0.064	0.062	-0.260	0.328	0.057
TCRBV11_6	-0.972	0.017	-0.360	0.243	0.084
TCRBV11_7	-0.587	0.263	0.146	-0.758	-0.457
TCRBV11_8	0.172	-0.023	-0.417	-1.241	-1.087
TCRBV11 9	-1.042	0.612	-0.205	0.819	-0.365
TCRBV11 10	1.012	-0.917	0.936		0.750
TCRBV11_11	1.613	0.243	0.545	0.251	0.850
TCRBV11 12	0.682	-0.543	0.273	0.916	0.498
TCRBV11_13	0.680	0.169	-0.085	0.438	
TCRBV11 14	0.183	0.129	-0.200	0.194	0.027
TCRBV11 15	0.068	0.048	-0.074	0.072	0.010
TCRBV12 4	0.022	0.053	0.180	-0.065	-0.101
TCRBV12 5	1.110	-0.584	1.057	-0.068	-0.140
TCRBV12 6	-0.075	-0.769	0.467	0.097	-0.644
TCRBV12 7	-0.259	-1.402	0.689	-0.125	-1.174
TCRBV12_8	0.087	-0.402	0.187	-0.477	-0.052
TCRBV12 9	0.119	0.966	-0.925	1.005	0.253
TCRBV12 10	-2.043	1.000	-0.114	-0.685	0.668
TCRBV12 11	0.547	0.877	-1.581	0.308	0.942
TCRBV12 12	0.492	0.262	0.041	0.011	0.249
TCRBV13 5	0.121	0.015	-0.081	-0.017	0.009
TCRBV13 6	-1.169	0.258	0.295	0.299	0.480
TCRBV13_7	0.554	1.274	0.108	-0.247	-0.776
TCRBV13_8	-0.691	-0.703	-1.262	0.501	-0.489
TCRBV13_9	0.455	0.203	0.486	-0.737	0.389
TCRBV13_0	-0.196	-0.138	1.183	0.206	-0.237
TCRBV13_10	0.740	-0.070	-0.809	-0.165	0.427
TCRBV13_11	0.053	-0.160	0.256	0.096	0.192
TCRBV13_12	0.132	-0.680	-0.176	0.063	0.005
	0.308	0.021	-0.164	-0.004	-0.105
TCRBV14_5	0.564	0.312	-0.184	-0.277	0.014
TCRBV14_6	1.453	-0.325	0.497	-0.407	-0.207
TCRBV14_7	0.303	-0.679	-0.102	0.386	0.164
TCRBV14_8	-0.497	-0.954	-0.253	-0.098	-0.256
TCRBV14_9		1.158	-0.080	-0.496	-0.094
TCRBV14_10	-1.038	0.427	0.330	0.618	0.386
TCRBV14_11	-1.230		-0.003	0.211	0.073
TCRBV14_12	0.086	0.023	-0.041	0.066	0.025
TCRBV14_13	0.052	0.017	0.015	-0.064	0.065
TCRBV15_4	-0.022	0.052		0.049	-0.596
TCRBV15_5	-0.051	1.008	-1.136	0.636	-0.051
TCRBV15_6	-0.773	-0.068	0.204	0.111	-0.181
TCRBV15_7	-1.179	-0.041	-0.204	V. III	
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	0.000	0.729	-0.001	0.308	0.060
TCRBV15_8	0.828 1.208	0.830	1.383	-0.416	0.418
TCRBV15_9	0.580	-1.442	0.006	0.863	0.370
TCRBV15_10	0.879	-0.697	0.040	-0.025	0.349
TCRBV15_11	0.276	-0.312	-0.008	-0.065	-0.163
TCRBV15_12	-0.131	0.237	0.055	0.198	-0.079
TCRBV16_5		0.666	-0.886	1.169	0.117
TCRBV16_6	-0.499	0.423	-0.001	-1.066	0.136
TCRBV16_7	-0.295	0.742	0.373	1.006	0.007
TCRBV16_8	-0.055	-0.298	-0.533	0.181	-1.618
TCRBV16_9	0.553	0.654	-2.438	-0.383	0.453
TCRBV16_10	-0.445	-0.232	2.576	0.828	0.555
TCRBV16_11	1.179	-1.220	0.280	-1.105	-0.258
TCRBV16_12	1.234	0.115	0.051	-0.121	-0.053
TCRBV16_13	0.110	-0.007	0.012	0.016	-0.028
TCRBV18_3	0.002	0.670	0.183	0.552	-0.536
TCRBV18_4	-0.345	0.670	0.103		
	0.407	0.864	0.120	0.568	-0.878
TCRBV18_5	-0.407	0.101	0.120	0.372	-2.058
TCRBV18_6	-0.245	-0.788	-0.503	0.752	0.228
TCRBV18_7	-1.112	-1.862	0.205	-0.204	1.216
TCRBV18_8	0.099	-0.109	-0.765	0.095	0.892
TCRBV18_9	0.612	-0.445	-0.474	-0.505	0.795
TCRBV18_10	0.873	0.278	-0.587	0.179	-0.186
TCRBV18_11	0.327	0.278	-0.029	0.069	-0.053
TCRBV18_12	0.117	0.025	0.067	-0.066	0.020
TCRBV18_13	0.060	-0.149	-0.129	0.106	-0.029
TCRBV20_5	-0.155	0.164	-0.032	0.041	0.879
TCRBV20_6	-0.480	-0.950	0.416	-0.827	-0.719
TCRBV20_7	0.101	-1.448	0.547	0.407	1.055
TCRBV20_8	-0.927	-0.690	-0.903	0.222	-1.122
TCRBV20_9	1.665	0.082	0.733	1.987	0.025
TCRBV20_10	-0.152	1.397	0.181	-0.414	0.622
TCRBV20_11	1.612	0.274	0.268	-0.489	0.438
TCRBV20_12	0.094	1.336	-0.794	0.415	-0.930
TCRBV20_13	0.006	0.042	0.012	-0.052	0.052
TCRBV20_14	-0.018	0.042			
	26	27	28	29	30
	20	- -			
######################################	-0.202	-0.173	-0.047	0.033	0.145
TCRBV01_6 TCRBV01 7	-0.078	-0.189	0.155	0.172	-0.121
TCRBV01_/	0.777	0.327	0.297	0.175	0.398
TCRBV01_8	0.358	0.670	-0.505	-1.099	-1.170
TCRBV01_9	0.181	0.121	-0.041	0.488	0.052
TCRBV01_10	0.142	0.104	0.155	0.100	0.322
TCRBV01_11	0.180	-0.363	-0.174	0.290	0.364
_	0.092	0.227	0.053	0.046	-0.015
TCRBV01_13	0.021	0.030	0.018	-0.007	0.004
TCRBV01_14	0.003	0.027	-0.094	0.174	0.716
TCRBV02_6	0.504	-0.302	-0.266	0.158	-0.047
TCRBV02_7	-0.324	-0.440	-0.028	-0.282	0.282
TCRBV02_8	-1.091	0.926	0.506	0.292	-0.324
TCRBV02_9	-0.999	0.221	0.548	-0.144	0.010
TCRBV02_10	-0.992	0.143	-0.135	-0.056	-0.027
TCRBV02_11	-0.464	-0.114	0.553	-0.206	0.057
TCRBV02_12	-0.078	-0.051	-0.008	-0.158	0.002
TCRBV02_13	0.089	-0.011	-0.028	0.006	-0.017
TCRBV03_4	-0.011	-0.028	0.016	0.096	-0.002
TCRBV03_5	0.558	-0.170	0.019	0.282	-0.220
TCRBV03_6	0.303	-0.272	0.535	-0.055	-0.301
TCRBV03_7		-0.173	1.131	-0.456	-0.218
TCRBV03_8	-0.346 -0.599	-0.208	-0.268	-0.890	0.365
TCRBV03_9	-0.599	0.363	0.357	0.032	0.553
TCRBV03_10	0.111	0.257	-0.549	0.608	-0.206
TCRBV03_11	0.539	0.23/			-

FIG.102C

	0.462	-0.235	-0.704	0.351	0.054
TCRBV03_12	0.462 0.364	1.230	-0.599	0.225	-0.028
TCRBV03_13	-0.077	0.040	0.017	0.051	0.045
TCRBV04_6	0.065	-0.373	0.127	0.131	0.327
TCRBV04_7	0.501	-0.621	-0.021	0.118	-0.199 -0.214
TCRBV04_8	0.646	-1.073	0.121	0.612	
TCRBV04_9	-0.266	0.339	-0.595	-1.448	-0.492 -0.148
TCRBV04_10	-0.192	0.607	-0.088	0.668	0.617
TCRBV04_11	-0.249	0.168	0.115	0.937	0.120
TCRBV04_12	-0.147	0.626	-0.038	-0.248	-0.093
TCRBV04_13	-0.370	0.090	0.280	-0.437	0.038
TCRBV04_14	0.088	0.198	0.080	-0.383	0.322
TCRBV04_15	0.095	-0.072	-0.117	0.091	-0.061
TCRBV051_5	0.300	-0.742	-0.158	0.665 -0.309	0.131
TCRBV051_6	1.154	0.150	0.548		0.212
TCRBV051_7	-1.168	-0.692	-0.229	-0.912 0.917	-0.242
TCRBV051_8 TCRBV051_9	0.976	1.173	1.475	0.388	-0.368
TCRBV051_10	-1.264	0.031	-0.311	-0.433	0.694
TCRBV051_10	0.470	0.370	0.480	0.434	0.334
TCRBV051_12	-0.706	-0.664	-0.425	-0.212	0.323
TCRBV051_13	-0.006	0.036	-0.079	-0.560	0.064
TCRBV051_13	-0.000	-0.001	0.129	-0.790	0.025
TCRBV052_7	-0.333	0.676	0.304	-0.043	0.581
TCRBV052 8	-0.546	-0.549	0.473 -0.366	0.897	-0.606
TCRBV052 9	0.330	-0.116	0.349	0.189	0.489
TCRBV052_10	-0.455	-0.901	0.343	0.291	0.434
TCRBV052_11	0.885	0.292	-0.110	0.506	0.378
TCRBV052 12	0.151	0.068	0.060	0.139	-0.017
TCRBV052_13	-0.182	0.121	0.071	0.071	0.009
TCRBV06_5	0.019	-0.053 -0.263	0.103	0.178	-0.106
TCRBV06_6	-0.364	-0.190	0.745	0.582	-0.091
TCRBV06_7	0.036	-0.401	0.456	-0.169	-0.512
TCRBV06_8	-0.246	0.098	0.255	0.189	-0.909
TCRBV06_9	-1.055	1.255	-0.533	-0.726	0.203
TCRBV06_10	0.811 1.757	0.041	-0.638	-0.549	0.587
TCRBV06_11	0.007	-0.043	-0.614	0.246	0.821 -0.023
TCRBV06_12	0.505	0.310	0.064	0.379	-0.023
TCRBV06_13	-0.008	-0.009	0.025	-0.037	0.119
TCRBV07_5	0.158	0.794	-0.811	-0.267 -0.270	0.274
TCRBV07_6 TCRBV07_7	0.186	0.154	-0.658	0.820	-0.469
TCRBV07_7	-0.102	-0.646	-0.247	-1.057	-0.005
TCRBV07_9	0.988	0.655	0.107	0.254	0.536
TCRBV07_10	-0.005	-0.136	0.508	0.199	-0.428
TCRBV07_11	0.947	0.498	0.487 0.455	0.428	-0.000
TCRBV07_12	-0.505	-0.544	0.043	0.130	-0.013
TCRBV07_13	-0.188	-0.013	-0.033	0.165	0.068
TCRBV081_5	0.015	-0.163 -0.221	0.134	-0.209	0.390
TCRBV081_6	0.340	0.983	0.882	-0.781	0.283
TCRBV081_7	0.196	- 0.290	1.469	-0.344	0.362
TCRBV081_8	0.018	0.693	0.100	0.604	-0.275
TCRBV081_9	-0.341	-0.935	-0.876	-0.295	0.917
TCRBV081_10	-0.120	-0.504	-0.345	0.167	-0.487
TCRBV081_11	-0.066	-0.144	-1.332	0.692	-1.259
TCRBV081_12	-0.043	0.115	0.380	0.258	0.345
TCRBV082_4	-0.267	0.511	-0.006	0.191	0.217
TCRBV082_5	-0.027	0.512	0.684	0.553	0.447
TCRBV082_6	-0.029 -0.075	0.719	-0.209	0.577	0.049
TCRBV082_7	-0.075	-0.784	-0.190	-0.494	-0.021
TCRBV082_8	0.376	-0.543	-0.367	-0.632	-0.330
TCRBV082_9	-0.155	-0.423	-0.153	-0.418	-0.374 -0.332
TCRBV082_10	0.275	-0.108	-0.139	-0.034	-0.000
TCRBV082_11	0.026	0.095	-0.041	0.017	-0.000
TCRBV083_4	0.023				

	-0.095	-0.090	-0.301	0.208	-0.310
TCRBV083_5		0.072	-0.393	0.206	-0.193
TCRBV083_6	-0.365	0.082	-0.850	0.039	-0.266
TCRBV083_7	-0.307	0.198	-0.447	0.165	0.648
TCRBV083 8	-0.246		0.305	-0.293	-0.202
TCRBV083 9	0.032	-0.558	0.362	-0.291	-0.267
TCRBV083_10	0.487	0.366		0.074	0.065
TCRBV083 11	0.254	-0.423	0.741	-0.126	0.525
TCRBV083_12	0.212	0.258	0.623		0.032
_	-0.009	-0.187	-0.075	0.104	0.084
TCRBV09_5	-0.060	-0.095	0.170	-0.202	-0.431
TCRBV09_6	-0.322	-0.221	0.730	0.444	
TCRBV09_7	-0.200	-0.387	-0.064	-0.400	-0.451
TCRBV09_8	-1.272	-0.683	1.048	0.775	-0.097
TCRBV09_9	-0.704	0.103	-1.093	0.460	0.947
TCRBV09_10		-1.288	0.082	0.418	0.021
TCRBV09_11	0.085	0.702	-1.093	-0.856	0.552
TCRBV09_12	-0.859	0.495	-0.389	-0.297	-0.352
TCRBV09 13	-0.235		0.152	0.069	0.097
TCRBV09_14	-0.100	0.184	0.041	0.042	-0.074
TCRBV09_15	-0.017	0.068	0.045	-0.334	0.420
TCRBV10_6	0.297	0.039	0.188	0.207	0.390
TCRBV10_7	0.439	-0.491		-0.091	0.481
TCRBV10 8	0.633	0.591	0.583	-0.555	-0.853
TCRBV10_0	0.639	0.461	0.981		-0.167
TCRBV10_9	0.389	-0.797	-0.232	-0.116	-0.325
	-1.769	0.224	-0.595	0.531	0.062
TCRBV10_11	-0.671	-0.022	-0.956	0.355	
TCRBV10_12	0.043	-0.005	-0.013	0.003	-0.008
TCRBV10_13	0.092	0.215	-0.106	0.099	0.087
TCRBV11_5	0.025	-0.117	0.066	0.195	0.215
TCRBV11_6	0.289	0.254	-0.198	0.658	-0.015
TCRBV11_7	0.205	-0.420	0.403	0.608	0.132
TCRBV11_8		0.910	0.055	-0.293	-0.308
TCRBV11_9	0.102	0.385	-0.148	-0.130	-0.076
TCRBV11_10	0.501	0.372	-0.022	-0.481	0.018
TCRBV11_11	0.001	-0.716	-0.048	-0.342	0.086
TCRBV11_12	-0.534	-0.098	-0.010	-0.133	-0.107
TCRBV11_13	0.055	-0.023	-0.061	0.013	-0.038
TCRBV11_14	0.194		-0.023	0.005	-0.014
TCRBV11_15	0.072	-0.009	-0.032	0.160	0.048
TCRBV12_4	0.063	0.093	-0.901	0.493	-0.088
TCRBV12_5	0.547	0.406	-0.075	-0.603	0.862
TCRBV12_6	0.015	-0.262	-0.332	-0.421	0.136
TCRBV12_7	-0.338	-0.765	0.469	0.321	-0.268
TCRBV12_8	-0.346	0.402	0.618	0.256	-0.225
TCRBV12 9	0.128	-0.130		0.144	-0.508
TCRBV12_10	-0.084	0.212	-0.067	-0.119	-0.125
TCRBV12_11	0.065	-0.002	0.339	-0.232	0.168
TCRBV12_12	-0.049	0.045	-0.018	-0.075	-0.077
TCRBV13_5	0.134	-0.043	-0.026		-0.607
TCRBV13_6	-0.455	0.187	-0.305	0.187	0.455
_	1.379	0.112	-0.400	0.364	-0.291
TCRBV13_7	-0.206	-0.742	0.866	0.551	0.763
TCRBV13_8	-0.552	-1.274	0.468	0.356	
TCRBV13_9	-0.064	-0.313	0.061	-0.774	-0.327
TCRBV13_10	-0.172	-0.645	-0.488	-0.527	-0.411
TCRBV13_11	0.022	0.212	-0.287	-0.298	0.283
TCRBV13_12		-0.042	0.111	0.217	0.213
TCRBV13_13	-0.087	-0.197	-0.047	0.044	-0.007
TCRBV14_5	0.043	-0.131	0.080	0.067	-0.056
TCRBV14_6	0.033		0.166	-0.187	0.236
TCRBV14_7	0.549	0.205	0.235	0.008	-0.218
TCRBV14_8	-0.499	0.691	-0.523	0.098	0.099
TCRBV14 9	0.479	0.757		-0.276	-0.006
TCRBV14_10	-1.073	-0.076	-0.466	0.254	-0.056
TCRBV14_11	0.382	-1.236	0.478	-0.001	0.042
TCRBV14_12	0.029	-0.014	0.115	-0.001	-
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	0.056	0.001	-0.038	-0.008	-0.034
TCRBV14_13	0.056	-0.074	0.008	-0.185	-0.024
TCRBV15_4	-0.012		-0.200	0.363	0.228
TCRBV15 5	-0.333	0.810	-0.169	0.347	0.092
TCRBV15 6	0.096	0.049		0.105	0.265
TCRBV15 7	1.306	-0.907	-0.742	-0.265	-0.664
TCRBV15 8	0.958	0.577	-0.079		
-	0.368	0.137	-0.007	0.657	-0.303
TCRBV15_9	-0.563	0.401	0.636	-0.747	0.476
TCRBV15_10		-0.223	0.463	-0.132	-0.037
TCRBV15_11	-0.275	-0.016	-0.002	0.057	-0.056
TCRBV15_12	-0.074		0.110	-0.150	0.038
TCRBV16 5	0.002	0.162	-0.268	0.049	-0.097
TCRBV16 6	0.245	1.253		0.207	-0.292
TCRBV16 7	1.056	0.195	0.512		0.366
TCRBV16 8	1.032	-1.770	-0.134	-0.369	
TCRBV16_9	-0.786	0.057	0.661	-0.379	0.802
_ .	0.052	0.426	0.296	0.136	-0.490
TCRBV16_10	-0.134	0.080	0.459	1.341	0.655
TCRBV16_11		-0.169	-0.732	-0.136	0.291
TCRBV16_12	-0.373	0.109	0.187	0.131	0.054
TCRBV16_13	0.227		-0.005	0.012	-0.006
TCRBV18_3	-0.011	-0.018	0.296	-0.584	-0.075
TCRBV18_4	-0.385	0.155		-0.442	0.315
TCRBV18 5	-1.028	-0.527	0.357	-0.909	-0.125
TCRBV18 6	-1.260	0.842	0.617		-0.537
TCRBV18 7	-0.193	-1.547	-0.017	-0.470	
TCRBV18 8	-1.171	1.573	-0.965	1.106	0.010
TCRBV18_9	-0.879	-0.272	0.121	0.609	1.186
_	0.039	-0.131	0.680	0.363	-0.174
TCRBV18_10	0.204	-0.378	0.270	-0.017	-0.215
TCRBV18_11	0.103	0.052	0.174	0.010	0.103
TCRBV18_12		-0.029	0.011	0.067	0.033
TCRBV18_13	0.014	0.036	-0.046	0.038	0.125
TCRBV20_5	0.280	-0.193	-0.693	-0.806	0.759
TCRBV20_6	0.542		0.128	-0.035	0.560
TCRBV20_7	0.607	0.076	0.120	•	
			0 623	0.470	0.751
TCRBV20 8	-0.045	0.321	0.621	1.306	0.168
TCRBV20 9	0.289	0.033	-0.723	0.118	-2.418
TCRBV20 10	0.205	-0.131	0.222		-0.123
TCRBV20 11	-0.540	0.134	0.724	-0.342	0.227
TCRBV20_12	0.086	-0.456	0.225	-0.390	
TCRBV20_13	0.054	0.993	-0.555	-0.010	-0.050
	-0.009	-0.060	0.007	-0.150	-0.019
TCRBV20_14	• • • • • • • • • • • • • • • • • • • •				
	31	32	33	34	35
	31	-			
	0.018	0.070	0.011	0.093	0.015
TCRBV01_6	-0.018	0.102	0.195	0.141	0.047
TCRBV01_7	0.623		0.327	-0.704	0.059
TCRBV01_8	0.678	-0.704	0.305	0.333	0.123
TCRBV01_9	0.879	1.282		-0.239	-0.013
TCRBV01_10	-0.250	0.005	-0.065	0.385	-0.278
TCRBV01_11	-1.133	-0.810	-0.609		-0.078
TCRBV01_12	-0.410	0.356	-0.278	-0.117	
TCRBV01_13	-0.154	-0.135	-0.249	-0.156	-0.062
	0.006	-0.005	0.005	0.009	-0.021
TCRBV01_14	0.177	0.356	-0.049	0.221	0.287
TCRBV02_6	-0.560	0.001	-0.021	-0.055	0.303
TCRBV02_7		-0.334	0.209	-0.125	0.170
TCRBV02_8	0.353		-0.084	1.106	0.298
TCRBV02_9	0.090	-0.538	0.518	0.361	-0.133
TCRBV02_10	0.124	0.199		0.155	-0.296
TCRBV02_11	0.075	0.057	0.255	-0.264	-0.089
TCRBV02 12	-0.547	-0.180	0.474		0.105
TCRBV02_13	-0.026	-0.190	0.304	-0.027	
TCRBV03 4	0.008	0.016	-0.042	-0.036	-0.017
TCRBV03_5	-0.042	0.028	-0.033	0.072	0.015
TCRBV03_5	0.674	-0.302	-0.291	-0.348	0.138
1CKBV03_0					

FIG 103B

			0 423	0.105	-0.334
TCRBV03_7	0.077	-0.182	0.433 0.393	-0.247	0.172
TCRBV03_8	0.153	-0.595	0.024	-0.469	0.315
TCRBV03 9	-0.075	0.146	-0.269	0.435	-0.141
TCRBV03_10	-0.903	0.337	0.046	0.759	-0.637
TCRBV03_11	0.134	0.223	-0.302	0.033	0.410
TCRBV03 12	-0.009	0.547	-0.318	-0.559	-0.130
TCRBV03_13	0.203	-0.056	-0.030	-0.049	0.007
TCRBV04_6	-0.079	0.050	-0.211	-0.025	-0.197
TCRBV04 7	-0.166	0.108	-0.211	0.431	0.285
TCRBV04 8	0.598	-0.612	-0.715	0.115	0.306
TCRBV04 9	0.604	0.005	0.181	0.371	0.542
TCRBV04 10	-0.869	-0.510	0.423	-0.830	0.603
TCRBV04_11	-0.614	0.128	1.297	0.276	0.287
TCRBV04 12	0.461	0.316	-0.832	-0.224	-0.893
TCRBV04_13	0.010	0.803	-0.146	-0.098	-0.736
TCRBV04_14	-0.101	-0.435	0.111	0.032	-0.204
TCRBV04_15	0.156	0.146	0.016	-0.014	-0.017
TCRBV051_5	-0.354	-0.499	-0.261	0.300	0.279
TCRBV051_6	0.230	0.114	0.229	-0.036	0.325
TCRBV051_7	-0.467	-0.417 -0.266	-0.052	0.210	0.148
TCRBV051_8	0.200	0.982	0.835	-0.258	0.613
TCRBV051_9	0.160	-0.280	-0.588	-0.172	0.265
TCRBV051_10	0.310	0.011	-0.039	0.675	-0.050
TCRBV051_11	0.081	-0.744	-0.175	0.560	-0.864
TCRBV051_12	-0.019	-0.109	0.157	-0.028	0.013
TCRBV051_13	-0.153	-0.094	0.049	0.262	-0.220
TCRBV052_6	-0.062	0.096	0.157	0.340	-0.075
TCRBV052_7	-0.403	-0.176	-0.081	0.102	0.196
TCRBV052_8	0.253 -0.459	-0.266	0.223	0.438	0.427
TCRBV052_9	0.864	-1.009	-0.094	0.035	-0.119
TCRBV052_10	-0.329	0.277	-0.042	0.137	0.406
TCRBV052_11	0.216	-0.078	-0.036	-0.036	0.116
TCRBV052_12	-0.092	0.043	-0.054	-0.041	-0.019
TCRBV052_13	0.114	-0.034	0.034	-0.001	-0.124
TCRBV06_5	-0.184	0.180	0.164	-0.162	-0.180 -0.044
TCRBV06_6 TCRBV06_7	-0.416	0.498	-0.096	-0.261	-0.012
TCRBV06_8	-0.696	0.805	-0.729	-0.191	-0.739
TCRBV06_9	-0.263	0.019	-0.086	-0.087 0.282	-0.062
TCRBV06_10	1.044	-0.719	0.273	0.123	0.634
TCRBV06_11	0.154	-0.814	-0.162	-0.107	0.023
TCRBV06_12	0.398	0.386	0.232 0.011	0.150	0.296
TCRBV06_13	0.068	-0.158	0.011	0.010	-0.045
TCRBV07_5	-0.014	0.008	-0.050	-0.478	-0.042
TCRBV07_6	0.266	-0.215	0.458	-0.355	-0.371
TCRBV07_7	0.565	0.110	-0.635	0.109	-0.063
TCRBV07_8	0.355	0.039	-0.807	-0.165	-0.325
TCRBV07_9	-0.133	0.051	0.342	-0.064	0.125
TCRBV07_10	-0.434	-0.074 -0.166	0.054	0.216	0.109
TCRBV07_11	-0.193	0.356	0.230	0.322	0.368
TCRBV07_12	-0.105	0.053	0.023	0.150	0.035
TCRBV07_13	-0.085	-0.155	0.061	-0.013	0.023
TCRBV081_5	-0.043	-0.078	-0.159	0.379	0.099
TCRBV081_6	-0.521	-0.461	-0.553	-0.047	0.469
TCRBV081_7	0.071	0.174	-0.233	0.237	-0.259
TCRBV081_8	0.097	-0.053	0.365	-0.281	0.149
TCRBV081_9	-0.131	0.811	0.419	0.083	-0.839
TCRBV081_10	0.496	-0.036	0.002	0.278	0.130
TCRBV081_11	0.105 -0.075	-0.202	0.097	-0.636	0.228
TCRBV081_12	-0.075	-0.014	0.054	-0.097	-0.018
TCRBV082_4	0.278	0.205	0.313	-0.058	0.042
TCRBV082_5	0.236	-0.162	0.086	-0.188	-0.378
TCRBV082_6	-0.109	0.677	-0.027	-0.006	0.737
TCRBV082_7	.0.100				

			-0.302	-0.826	-0.273
TCRBV082_8	-0.328	-1.074	-0.302	0.364	0.188
TCRBV082_9	0.182	0.031	-0.231	0.497	-0.293
TCRBV082_10	-0.042	-0.133	0.148	0.315	-0.005
TCRBV082_11	-0.120	0.470	-0.022	-0.035	-0.012
TCRBV083 4	0.011	0.001	0.267	-0.033	0.232
TCRBV083_5	0.241	0.045	-0.261	0.134	-0.110
TCRBV083_6	0.132	-0.060	-0.261	-0.952	-0.102
TCRBV083_7	0.253	0.005	-0.038	-0.766	-0.009
TCRBV083_8	0.120	-0.907	-0.667	0.101	-0.169
TCRBV083_9	-0.464	0.315	0.062	0.659	0.167
TCRBV083_10	-0.447	0.596	0.413	0.476	0.093
TCRBV083_11	-0.067	0.051	0.321	0.416	-0.089
TCRBV083_12	0.220	-0.046	0.123	-0.036	0.038
TCRBV09 5	0.128	-0.013	0.074	-0.044	0.353
TCRBV09 6	0.167	0.254	-0.991	0.735	0.063
TCRBV09_7	0.397	-0.556	0.403	-0.989	0.418
TCRBV09_8	-0.781	-0.127 0.277	-0.097	0.104	0.126
TCRBV09_9	-0.324	-0.411	0.159	-0.153	-0.023
TCRBV09_10	-0.403	-0.146	0.805	-0.018	-0.623
TCRBV09_11	-0.187	0.309	0.061	0.566	0.809
TCRBV09_12	0.036	0.200	0.169	-0.007	0.519
TCRBV09_13	0.162	0.131	0.191	0.146	0.384
TCRBV09_14	0.083	0.039	-0.055	0.056	0.118
TCRBV09_15	0.085	0.027	-0.019	0.123	0.386
TCRBV10_6	-0.113 -0.171	0.507	-0.384	-0.329	-0.007
TCRBV10_7	0.490	0.194	-0.171	-0.715	-0.123
TCRBV10_8	-0.034	0.230	0.320	-0.004	0.281
TCRBV10_9	-0.116	-0.723	-0.345	0.160	-0.111 -0.495
TCRBV10_10	-0.172	-0.027	0.380	0.802	0.077
TCRBV10_11	0.112	-0.217	0.238	-0.020 -0.017	-0.008
TCRBV10_12	0.004	0.008	-0.020	0.258	0.144
TCRBV10_13 TCRBV11_5	-0.079	-0.146	0.011	0.235	0.199
TCRBV11_6	0.003	0.344	-0.289	-0.030	-0.017
TCRBV11_7	-0.201	-0.186	-0.099	-0.239	-0.470
TCRBV11_8	0.635	-0.145	-0.442 -0.476	-0.048	0.143
TCRBV11_9	0.743	0.179	0.044	-0.495	-0.530
TCRBV11_10	-0.094	0.223	0.288	-0.166	0.087
TCRBV11_11	-0.303	0.099	0.534	0.036	0.127
TCRBV11_12	-0.373	-0.268 0.014	0.195	-0.038	0.157
TCRBV11_13	-0.135	0.036	-0.091	-0.078	-0.036
TCRBV11_14	0.018	0.013	-0.034	-0.029	-0.013
TCRBV11_15	0.007	-0.217	-0.014	0.035	-0.128
TCRBV12_4	-0.099	0.283	0.133	-0.088	0.231
TCRBV12_5	0.146 -0.572	0.562	0.620	-0.135	-0.459
TCRBV12_6	-0.110	0.756	0.188	0.522	-0.425
TCRBV12_7	0.998	-0.035	-0.218	0.107	0.043 -0.174
TCRBV12_8	-0.411	-0.734	-0.346	0.297	0.532
TCRBV12_9	0.350	0.160	-0.358	-0.199	0.322
TCRBV12_10	-0.478	-0.797	-0.041	-0.376	0.059
TCRBV12_11	0.177	0.022	0.035	-0.163	0.074
TCRBV12_12	0.017	0.160	-0.027	0.060 0.464	0.107
TCRBV13_5	-0.872	0.024	0.039	0.467	0.249
TCRBV13_6	-0.199	-0.169	0.253	0.132	-0.070
TCRBV13_7 TCRBV13_8	-0.088	-0.105	0.282	0.132	0.152
TCRBV13_8	-0.083	-1.220	0.259	-0.578	-0.353
TCRBV13_9 TCRBV13_10	0.578	0.035	0.060	-0.104	0.251
TCRBV13_10	0.477	0.749	-0.481	-0.119	-0.314
TCRBV13_12	0.133	0.295	-0.610	-0.355	-0.098
TCRBV13_12 TCRBV13_13	0.037	0.231	0.226	0.045	0.085
TCRBV13_13	-0.013	0.073	0.025	-0.049	-0.053
TCRBV14_6	0.097	0.038	0.240 -0.172	0.238	0.203
TCRBV14_7	-0.070	-0.196	-0.1/2		
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TODIII 4 0	0.034	0.097	-0.329	0.191	-0.224
TCRBV14_8	-0.249	-0.531	-0.014	0.168	-0.416
TCRBV14_9	0.260	0.504	-0.177	-0.209	-0.169
TCRBV14_10	0.022	0.008	0.245	-0.484	0.642
TCRBV14_11	-0.087	-0.024	0.209	0.144	-0.046
TCRBV14_12		0.031	-0.027	-0.043	-0.023
TCRBV14_13	0.005	-0.129	0.355	0.011	0.126
TCRBV15_4	-0.028	0.049	-0.463	-0.431	-0.207
TCRBV15_5	0.215		0.479	-0.055	0.071
TCRBV15_6	0.127	0.098	0.370	0.105	0.203
TCRBV15_7	-0.173	0.226	0.558	0.429	-0.784
TCRBV15_8	0.674	-0.573	-0.454	0.042	0.252
TCRBV15_9	-0.963	0.331	-0.434	-0.452	-0.020
TCRBV15_10	0.137	0.252		0.101	0.098
TCRBV15_11	0.204	0.038	-0.347		0.053
TCRBV15 12	0.029	-0.129	0.019	-0.005	-0.190
TCRBV16_5	0.028	0.102	0.061	0.021	
TCRBV16 6	-0.263	-0.318	0.050	0.486	-0.358
TCRBV16_7	0.632	0.089	0.880	0.459	-0.717
TCRBV16 8	-0.921	-0.349	0.855	-0.423	-0.181
TCRBV16 9	0.530	-0.300	-0.991	-0.228	1.081
TCRBV16 10	0.002	-0.277	0.147	0.423	0.007
TCRBV16_11	0.253	0.024	-0.740	0.006	-0.182
TCRBV16 12	-0.177	0.070	-0.478	0.198	1.037
TCRBV16 13	0.124	-0.088	-0.019	0.040	0.008
TCRBV18 3	0.029	-0.024	-0.038	0.032	0.011
TCRBV18 4	0.086	0.210	0.155	0.049	-0.296
TCRBV18 5	-0.019	0.319	0.319	-0.147	0.718
TCRBV18 6	-0.666	-0.215	0.426	-0.088	0.177
TCRBV18 7	1.820	-0.588	0.247	0.764	0.904
TCRBV18_7	0.018	-0.401	0.714	0.179	0.365
TCRBV18_9	0.381	0.330	0.507	-0.398	0.234
TCRBV18_9	0.151	0.406	0.369	-0.072	0.259
TCRBV18_10	0.216	0.575	-0.400	-0.179	0.029
_	-0.002	-0.025	-0.043	0.052	-0.086
TCRBV18_12 TCRBV18 13	-0.087	-0.101	-0.013	0.007	-0.001
TCRBV10_13	-0.131	-0.110	0.019	0.173	0.201
TCRBV20_5	-0.637	0.239	-0.235	0.837	0.197
TCRBV20_0	-0.381	0.078	-0.016	0.078	0.143
TCRBV20_7	0.211	0.227	-0.198	-0.297	-0.068
TCRBV20_8	-0.155	0.173	-0.877	0.386	-0.219
_	-0.412	-0.519	0.084	-0.685	0.109
TCRBV20_10	0.588	0.092	0.394	-0.291	-0.454
TCRBV20_11	0.857	0.133	0.160	-0.181	-0.046
TCRBV20_12	0.304	-0.047	0.025	-0.284	-0.174
TCRBV20_13	-0.023	-0.104	0.287	0.009	0.102
TCRBV20_14	-0.023	0.20-			
	3.6	37	38	39	40
	36	J.			
mannua: 6	_0_091	-0.005	-0.041	-0.011	0.038
TCRBV01_6	-0.081 -0.012	-0.180	0.064	0.238	0.174
TCRBV01_7		0.176	-0.114	0.201	0.386
TCRBV01_8	-0.570	-0.269	-0.088	0.785	0.246
TCRBV01_9	0.027	-0.269	0.000		
		0 210	0.148	-0.837	0.349
TCRBV01_10	-0.102	-0.319	-0.212	-0.263	-0.554
TCRBV01_11	0.662	0.414	0.305	-0.231	-0.341
TCRBV01_12	0.612	0.048		-0.090	-0.272
TCRBV01_13	0.129	0.109	0.084	0.008	0.012
TCRBV01_14	0.017	-0.017	-0.003		-0.029
TCRBV02_6	0.027	0.051	0.091	0.286	-0.029
TCRBV02_7	0.190	-0.274	0.161	0.209	•
TCRBV02 8	0.071	-0.413	0.051	-0.401	-0.267
TCRBV02 9	-0.014	0.038	0.122	-0.125	0.164
TCRBV02 10	-0.053	-0.372	0.170	0.094	0.020
TCRBV02_11	0.123	-0.426	-0.531	0.345	0.367
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TCRBV02 12	-0.112	0.175	0.088	0.240	-0.046
TCRBV02 13	-0.228	0.061	0.010	-0.029	0.052
TCRBV02_13	-0.000	0.030	-0.004	-0.016	-0.004
TCRBV03_5	-0.008	-0.040	-0.017	0.024	0.000
TCRBV03_5	0.256	0.463	-0.027	-0.203	-0.102
TCRBV03_0	0.174	0.134	-0.040	-0.507	-0.188
_	0.045	0.050	-0.375	0.013	-0.497
TCRBV03_8	-0.361	-0.221	-0.084	0.496	-0.451
TCRBV03_9	0.320	0.304	0.332	-0.249	0.619
TCRBV03_10		-0.367	0.306	0.237	0.083
TCRBV03_11	-0.485	-0.395	0.179	0.134	0.452
TCRBV03_12	0.322	0.000	-0.126	-0.129	0.126
TCRBV03_13	0.420		0.009	-0.045	0.027
TCRBV04_6	-0.010	-0.023	0.275	-0.197	0.027
TCRBV04_7	0.166	-0.143	0.099	0.152	-0.010
TCRBV04_8	-0.405	-0.386		0.168	0.463
TCRBV04_9	-0.884	0.005	-0.228	-0.196	0.297
TCRBV04_10	0.321	-0.472	-0.614		0.213
TCRBV04_11	0.246	0.584	-0.269	-0.161	0.074
TCRBV04_12	0.615	-0.365	0.698	0.239	
TCRBV04_13	0.118	-0.093	-0.115	0.143	-0.668
TCRBV04_14	-0.229	0.912	-0.008	-0.073	-0.041
TCRBV04_15	0.062	-0.019	0.152	-0.030	-0.382
TCRBV051_5	0.099	0.220	-0.220	0.103	-0.138
TCRBV051_6	0.217	0.547	-0.239	-0.212	0.374
TCRBV051 7	0.190	0.310	-0.306	0.500	0.079
TCRBV051_8	0.257	0.064	0.223	0.123	-0.298
TCRBV051 9	-0.678	-0.295	-0.711	0.000	-0.043
TCRBV051 10	-0.118	-0.439	0.727	0.214	0.071
TCRBV051_11	-0.653	-0.542	0.310	0.083	-0.586
TCRBV051_12	0.525	0.306	0.484	-0.017	-0.192
TCRBV051 13	0.090	-0.024	0.369	0.341	0.287
TCRBV052 6	0.345	0.346	0.330	0.356	0.347
TCRBV052 7	0.030	-0.171	-0.721	-0.126	-0.001
TCRBV052 8	0.021	-0.075	0.017	0.067	-0.277
TCRBV052_9	-0.196	0.602	0.371	0.234	-0.052
TCRBV052 10	0.130	-0.388	0.273	0.417	0.100
TCRBV052_11	-0.249	0.024	0.205	0.184	-0.498
TCRBV052 12	-0.062	-0.200	0.121	0.022	-0.096
TCRBV052 13	-0.089	0.009	0.040	-0.018	0.033
TCRBV06 5	0.078	-0.029	0.024	-0.095	0.009
TCRBV06 6	0.271	-0.294	0.049	-0.043	-0.066
TCRBV06 7	0.310	-0.297	-0.242	0.058	-0.250
TCRBV06 8	0.483	0.370	-0.247	0.015	0.011
TCRBV06 9	-0.448	0.293	0.106	0.014	0.025
TCRBV06 10	-0.153	0.035	0.528	0.115	-0.405
TCRBV06 11	-0.281	-0.067	-0.067	0.047	0.211
TCRBV06 12	0.389	-0.026	-0.215	-0.238	0.453
TCRBV06 13	0.033	-0.026	0.206	-0.073	0.049
TCRBV07 5	-0.014	0.047	-0.039	0.011	0.018
TCRBV07 6	0.227	0.192	0.005	0.100	-0.283
TCRBV07 7	-0.263	-0.341	0.112	0.146	-0.545
TCRBV07 8	0.382	0.747	0.105	-0.413	0.006
TCRBV07_9	-0.333	0.133	0.263	-0.335	0.279
TCRBV07_10	0.391	-0.408	0.027	0.274	0.219
TCRBV07_10	-0.131	-0.503	0.002	0.113	0.271
TCRBV07_11	0.434	0.221	-0.291	-0.132	0.048
	-0.011	-0.130	-0.041	0.036	0.023
TCRBV07_13	0.086	0.032	0.056	-0.213	-0.105
TCRBV081_5		-0.201	0.136	-0.201	-0.024
TCRBV081_6	0.193	-0.271	-0.059	-0.207	0.034
TCRBV081_7	-0.095		0.222	0.221	0.427
TCRBV081_8	0.206	-0.008	-0.423	0.244	-0.245
TCRBV081_9	0.407	-0.000	-0.423	-0.315	0.436
TCRBV081_10	-0.766	0.336	0.349	0.129	0.242
TCRBV081_11	0.065	0.307	0.345	0.123	0.2.2

					0.766
TCRBV081_12	-0.096	-0.194	0.337	0.342	-0.766
TCRBV082 4	0.152	-0.014	0.246	0.425	0.007
TCRBV082_5	0.038	0.256	0.247	-0.130	-0.086
-	0.416	-0.275	0.066	0.011	-0.159
TCRBV082_6	-0.087	0.454	0.092	-0.314	0.181
TCRBV082_7	0.059	-0.624	-0.209	0.080	0.439
TCRBV082_8	-0.152	0.156	-0.246	-0.202	-0.353
TCRBV082_9	-0.336	-0.006	-0.223	0.073	-0.089
TCRBV082_10	-0.091	0.053	0.027	0.056	0.060
TCRBV082_11		-0.002	-0.010	-0.008	0.011
TCRBV083_4	0.028	0.225	0.027	-0.068	0.065
TCRBV083_5	0.420	0.300	-0.001	-0.033	0.150
TCRBV083_6	0.083		0.076	-0.330	0.002
TCRBV083_7	0.160	0.325	0.080	-0.038	-0.493
TCRBV083_8	-0.346	-0.023	0.001	0.555	0.334
TCRBV083_9	-0.127	-0.614	-0.094	0.227	-0.108
TCRBV083_10	0.047	-0.207	0.051	-0.209	0.033
TCRBV083_11	-0.393	-0.111	-0.130	-0.095	0.006
TCRBV083_12	0.128	0.106		-0.037	0.037
TCRBV09 5	0.021	0.015	0.130	0.126	-0.090
TCRBV09 6	0.188	0.005	-0.215	0.581	-0.323
TCRBV09 7	-0.262	0.198	-0.043	-0.015	-0.227
TCRBV09 8	0.032	0.027	0.687		-0.329
TCRBV09 9	0.083	-0.639	0.675	-0.262	0.011
TCRBV09_10	-1.054	0.658	-0.866	0.656	0.162
TCRBV09_11	0.516	0.151	-0.489	-0.221	0.185
TCRBV09 12	-0.028	-0.145	0.651	-0.889	
TCRBV09 13	-0.131	-0.042	0.213	-0.218	-0.268
TCRBV09 14	-0.012	-0.079	-0.183	0.079	0.096
TCRBV09_15	-0.061	0.098	-0.021	-0.056	-0.017
TCRBV10_6	0.359	0.016	0.235	0.419	0.118
TCRBV10_7	-0.387	0.296	0.392	0.464	-0.202
TCRBV10_/	0.096	-0.255	-0.170	-0.041	-0.007
_	-0.250	0.548	0.096	-0.434	-0.117
TCRBV10_9	0.248	-0.162	-0.131	-0.300	0.725
TCRBV10_10	0.012	-0.084	-0.251	0.056	-0.470
TCRBV10_11	-0.077	-0.374	-0.169	-0.158	-0.044
TCRBV10_12	-0.000	0.015	-0.002	-0.008	-0.002
TCRBV10_13	0.107	-0.065	0.064	-0.003	-0.075
TCRBV11_5	0.329	-0.004	-0.107	0.154	-0.308
TCRBV11_6	0.439	-0.370	-0.303	0.238	-0.027
TCRBV11_7	0.645	-0.675	-0.246	-0.410	0.190
TCRBV11_8	0.243	0.057	-0.314	-0.009	-0.196
TCRBV11_9	0.036	0.334	0.363	-0.026	0.098
TCRBV11_10	-0.266	0.096	0.118	0.047	0.154
TCRBV11_11	-0.542	0.435	0.614	-0.091	0.234
TCRBV11_12	-0.308	0.060	-0.033	-0.052	-0.020
TCRBV11_13	-0.000	0.066	-0.009	-0.035	-0.010
TCRBV11_14		0.024	-0.003	-0.013	-0.004
TCRBV11_15	-0.000	0.057	-0.089	0.239	-0.197
TCRBV12_4	-0.133	-0.293	0.115	0.011	-0.134
TCRBV12_5	0.037	0.151	0.344	-0.135	-0.103
TCRBV12_6	-0.078	0.439	0.253	0.008	0.267
TCRBV12_7	-0.119		0.094	0.038	0.418
TCRBV12_8	0.405	0.615	-0.186	-0.102	-0.025
TCRBV12_9	-0.107	-0.619	0.402	-0.327	0.340
TCRBV12_10	-0.187	-0.416	-0.603	0.127	-0.277
TCRBV12_11	0.239	0.113		0.141	-0.288
TCRBV12_12	-0.057	-0.048	-0.331	-0.033	-0.056
TCRBV13_5	0.125	0.054	-0.022		0.075
TCRBV13_6	0.327	0.242	-0.202	0.243	-0.236
TCRBV13_7	0.933	0.100	-0.126	0.077	-0.238
TCRBV13_8	-0.897	-0.610	0.189	-0.973	
TCRBV13_9	-0.423	0.468	0.312	0.527	0.871
TCRBV13_10	0.004	0.068	0.094	0.095	0.136
TCRBV13_10	-0.027	-0.156	-0.353	-0.034	-0.188
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		-0.129	-0.114	0.024	0.072
TCRBV13_12	0.119	-0.038	0.222	0.073	-0.324
TCRBV13_13	-0.162	-0.013	-0.051	-0.040	-0.079
TCRBV14_5	0.009	-0.084	0.069	-0.140	0.054
TCRBV14_6	0.190		-0.029	0.180	-0.171
TCRBV14_7	0.074	0.023	-0.047	-0.146	0.573
TCRBV14_8	-0.226	-0.005	0.203	-0.669	-0.508
TCRBV14 9	-0.079	0.382	-0.342	0.662	0.181
TCRBV14 10	0.102	-0.655	0.204	0.218	-0.145
TCRBV14 11	0.020	0.316	0.007	-0.035	0.090
TCRBV14 12	-0.091	0.021	-0.014	-0.030	0.005
TCRBV14_13	0.001	0.016		-0.016	0.010
TCRBV15 4	-0.212	-0.004	0.003	0.079	-0.009
TCRBV15 5	0.136	-0.135	0.161	-0.404	-0.006
TCRBV15_6	-0.541	-0.191	-0.169	-0.147	0.133
TCRBV15 7	0.265	0.696	-0.099	-0.630	0.245
TCRBV15_8	0.413	-0.865	-0.073	0.195	-0.436
TCRBV15 9	-0.463	0.061	-0.047	0.538	0.152
TCRBV15_10	0.575	0.393	0.342	0.145	-0.039
TCRBV15_11	0.475	0.120	0.024	0.040	-0.012
TCRBV15_12	0.034	-0.118	0.001	0.078	-0.158
TCRBV16_5	0.032	0.045	0.087	-0.104	-0.016
TCRBV16_6	0.279	0.137	-0.370		-0.185
TCRBV16_7	0.533	0.447	0.849	0.863	0.171
TCRBV16_/	0.124	-0.748	0.162	0.512	0.093
TCRBV16_8	0.019	0.096	0.247	-0.373	-0.098
TCRBV16_5	-0.520	0.806	0.104	0.097	-0.138
TCRBV16_10	-0.206	-0.377	-0.578	0.008	-0.135
TCRBV16_12	0.382	-0.335	0.203	-0.129	0.058
TCRBV16_12	-0.032	0.035	0.075	-0.014	-0.004
TCRBV18_13	-0.016	0.019	0.005	0.037	0.086
_	0.166	-0.041	-0.161	0.006	
TCRBV18_4	0.042	0.049	-0.283	0.054	-0.104 0.116
TCRBV18_5	-0.342	0.136	0.214	-0.084	-0.378
TCRBV18_6	0.363	0.560	-0.685	0.208	0.096
TCRBV18_7	0.556	-0.420	-0.280	0.138	0.642
TCRBV18_8 TCRBV18_9	0.074	0.325	-0.210	-0.176	-0.180
TCRBV18_10	0.067	0.190	0.193	-0.374	0.013
TCRBV18_10	0.203	0.020	0.194	0.040	0.021
TCRBV18_12	-0.044	-0.012	0.018	-0.008	-0.089
TCRBV18_13	0.050	0.015	-0.020	-0.130	-0.069
TCRBV10_13	0.033	-0.102	0.037	-0.094	0.039
TCRBV20_5	0.225	-0.285	0.058	0.011	-0.330
TCRBV20_0	0.344	0.159	-0.436	-0.026	
TCRBV20_8	0.169	0.122	0.067	0.256	-0.097 0.213
TCRBV20_9	-0.934	-0.037	0.056	0.166	0.632
TCRBV20_10	0.279	-0.185	0.293	0.184	-0.141
TCRBV20_10	0.255	0.298	-0.618	-0.325	-0.231
TCRBV20_11	0.142	-0.008	0.462	-0.528	0.014
TCRBV20_12	0.340	0.000	0.222	0.169	0.008
TCRBV20_13	-0.172	-0.004	0.002	-0.013	0.008
1CRBV20_14					4.5
	41	42	43	44	45
					0 073
mannua 6	-0.008	0.039	-0.042	0.005	0.023
TCRBV01_6	0.197	-0.173	-0.288	-0.100	0.008
TCRBV01_7	-0.123	-0.454	-0.154	0.432	-0.048
TCRBV01_8	0.205	0.140	0.123	-0.455	-0.171
TCRBV01_9	-0.222	0.160	0.276	0.222	-0.278
TCRBV01_10	0.292	0.071	-0.028	-0.375	-0.078
TCRBV01_11		0.185	-0.003	0.069	0.396
TCRBV01_12	0.009	0.081	0.081	0.041	0.088
TCRBV01_13	-0.005	0.002	0.009	-0.005	-0.011
TCRBV01_14	0.006	-0.260	0.187	0.004	-0.005
TCRBV02_6	0.159	-0.260	0.034	-0.273	0.034
TCRBV02_7	-0.029	- 0.101			

FIG. 104D

	0.098	0.433	-0.381	-0.098	-0.198
TCRBV02_8	0.017	-0.018	-0.018	0.194	0.098
TCRBV02_9	-0.038	-0.227	-0.027	0.011	0.026
TCRBV02_10	-0.001	-0.113	0.216	-0.118	-0.331
TCRBV02_11	0.279	0.095	-0.413	0.015	-0.080
TCRBV02_12	0.279	0.020			
	0.000	-0.116	-0.020	0.002	-0.104
TCRBV02_13	0.009	0.010	0.011	0.007	0.015
TCRBV03_4	-0.013	0.015	0.007	-0.000	0.021
TCRBV03_5	-0.025	-0.116	0.344	0.213	0.048
TCRBV03_6	0.163	-0.285	0.433	-0.356	0.058
TCRBV03_7	0.277	0.170	0.149	0.194	-0.044
TCRBV03_8	0.020	-0.207	-0.179	0.022	-0.169
TCRBV03_9	-0.284	0.089	-0.083	-0.048	0.072
TCRBV03_10	0.231	0.379	-0.361	0.063	0.208
TCRBV03_11	-0.214	0.246	-0.180	-0.006	0.055
TCRBV03_12	-0.092	-0.249	-0.168	-0.257	-0.334
TCRBV03_13	0.288		0.030	0.011	-0.075
TCRBV04_6	0.038	0.039	0.327	0.131	-0.024
TCRBV04_7	0.113	0.046 0.336	-0.189	-0.099	0.100
TCRBV04_8	-0.059		0.031	0.458	-0.568
TCRBV04_9	-0.006	0.348	-0.190	-0.179	0.643
TCRBV04_10	-0.236	-0.019	0.245	-0.224	0.077
TCRBV04_11	0.036	-0.557	-0.046	-0.262	0.033
TCRBV04_12	-0.063	-0.095	-0.476	-0.189	-0.186
TCRBV04_13	0.168	-0.099	0.263	0.273	0.237
TCRBV04_14	0.059	-0.057	0.006	0.080	-0.237
TCRBV04_15	-0.051	0.058	0.218	-0.148	0.224
TCRBV051_5	-0.202	0.112	0.410	0.223	0.201
TCRBV051_6	-0.272	0.191	-0.136	0.391	-0.233
TCRBV051_7	-0.589	0.082	0.059	-0.229	0.035
TCRBV051_8	-0.226	-0.202	-0.325	0.095	-0.026
TCRBV051_9	0.068	-0.366	0.057	-0.052	0.363
TCRBV051_10	0.580	0.088	0.094	0.380	-0.065
TCRBV051_11	0.718	-0.212	-0.455	-0.313	-0.668
TCRBV051_12	-0.600	0.238	0.449	-0.251	0.164
TCRBV051_13	-0.129	0.131	0.178	0.176	0.189
TCRBV052_6	-0.069	-0.250	-0.016	0.265	-0.368
TCRBV052_7	-0.213	-0.079 -0.282	0.204	0.158	-0.025
TCRBV052_8	0.031	0.376	0.240	-0.103	-0.355
TCRBV052_9	0.175	-0.022	-0.262	-0.122	0.219
TCRBV052_10	-0.583	0.078	-0.119	-0.164	0.276
TCRBV052_11	0.170	0.132	0.070	-0.126	0.171
TCRBV052_12	-0.180		0.076	0.011	-0.115
TCRBV052_13	0.016	0.109 -0.151	0.083	-0.049	0.025
TCRBV06_5	0.174	-0.131	-0.076	0.013	0.039
TCRBV06_6	0.094	0.040	-0.085	-0.116	-0.009
TCRBV06_7	0.192	0.121	-0.408	0.239	-0.035
TCRBV06_8	0.036	-0.409	-0.408	-0.232	0.120
TCRBV06_9	-0.167	-0.135	0.658	0.044	-0.392
TCRBV06_10	0.032	0.385	0.348	-0.226	0.272
TCRBV06_11	-0.117	0.248	-0.207	0.171	-0.021
TCRBV06_12	0.089		0.068	-0.011	-0.069
TCRBV06_13	0.017	0.053 -0.069	0.020	0.062	0.073
TCRBV07_5	-0.068		-0.079	0.085	-0.177
TCRBV07_6	0.427	-0.064	-0.073	0.320	-0.007
TCRBV07_7	0.106	-0.006	0.015	-0.227	0.231
TCRBV07_8	-0.111	-0.269	-0.094	0.044	-0.036
TCRBV07_9	-0.042	-0.044	0.100	-0.267	0.144
TCRBV07_10	0.093	0.084	0.149	-0.273	-0.037
TCRBV07_11	0.005	0.261	-0.043	0.106	-0.269
TCRBV07_12	-0.064	0.155	-0.022	-0.016	0.006
TCRBV07_13	0.003	0.004	0.021	0.059	0.115
TCRBV081_5	-0.100	0.036	0.021	0.221	-0.070
TCRBV081_6	-0.302	0.097	0.210	3.222	
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TCRBV081 7	0.143	-0.256	-0.154	-0.257	-0.003
TCRBV081 8	-0.533	-0.017	-0.247	-0.523	-0.273
TCRBV081 9	0.409	0.125	0.085	0.383	-0.059
TCRBV081 10	0.115	0.107	-0.021	-0.005	0.059
_	0.243	-0.014	-0.008	-0.052	0.018
TCRBV081_11	0.025	-0.079	0.115	0.174	0.214
TCRBV081_12	0.110	-0.106	0.144	0.055	-0.096
TCRBV082_4	-0.022	0.044	-0.125	0.093	0.141
TCRBV082_5	-0.118	0.014	0.008	-0.056	-0.152
TCRBV082_6	-0.118	0.002	-0.023	-0.636	-0.279
TCRBV082_7		0.012	0.261	-0.039	-0.620
TCRBV082_8	-0.063	0.012	-0.351	0.347	0.384
TCRBV082_9	-0.102	0.141	0.145	0.282	0.165
TCRBV082_10	0.117	-0.154	-0.059	-0.046	0.457
TCRBV082_11	0.112		-0.009	-0.021	-0.023
TCRBV083_4	0.023	-0.019	-0.137	0.090	0.115
TCRBV083_5	0.163	0.419	-0.115	0.011	0.004
TCRBV083_6	-0.142	-0.047	-0.113	0.103	-0.167
TCRBV083_7	-0.047	0.053	0.287	-0.127	0.027
TCRBV083_8	-0.111	-0.343	0.264	-0.232	0.001
TCRBV083_9	-0.283	-0.019	0.264	-0.107	-0.084
TCRBV083_10	-0.006	-0.262		0.166	0.022
TCRBV083_11	-0.054	-0.017	-0.129 -0.177	0.119	0.106
TCRBV083_12	0.458	0.236		0.033	-0.002
TCRBV09_5	0.020	0.005	0.017	0.327	0.114
TCRBV09_6	0.115	0.109	-0.169	-0.495	-0.386
TCRBV09_7	0.493	-0.420	-0.372	0.141	-0.020
TCRBV09_8	0.001	-0.052	-0.212	0.403	0.036
TCRBV09_9	0.354	-0.147	0.150	-0.397	0.146
TCRBV09_10	0.607	0.764	-0.523	-0.116	0.190
TCRBV09_11	0.069	-0.288	-0.111 -0.710	0.327	0.054
TCRBV09_12	-0.530	-0.222		-0.038	0.160
TCRBV09_13	-0.319	-0.208	0.368	-0.212	0.051
TCRBV09_14	-0.359	0.005	0.259	-0.017	-0.028
TCRBV09_15	-0.120	-0.069	0.103	0.171	0.090
TCRBV10_6	-0.139	-0.231	-0.013 0.297	-0.138	0.132
TCRBV10_7	-0.343	0.337	0.140	-0.305	-0.050
TCRBV10_8	-0.370	0.224	-0.157	-0.083	0.190
TCRBV10_9	-0.126	-0.257	-0.261	0.001	-0.263
TCRBV10_10	0.801	-0.238	0.089	0.333	0.093
TCRBV10_11	0.076	0.272 -0.112	-0.101	0.018	-0.199
TCRBV10_12	0.107		0.005	0.003	0.007
TCRBV10_13	-0.006	0.005	0.119	0.105	-0.081
TCRBV11_5	0.053	0.005 -0.165	0.128	-0.257	0.144
TCRBV11_6	-0.048	0.190	0.126	0.111	0.170
TCRBV11_7	-0.054		0.169	0.081	0.239
TCRBV11_8	-0.048	-0.193	-0.369	-0.042	0.034
TCRBV11_9	-0.048	0.054	-0.112	0.043	0.008
TCRBV11_10	-0.024	0.281	0.052	0.019	-0.155
TCRBV11_11	0.254	-0.011	-0.127	-0.200	-0.398
TCRBV11_12	0.259	-0.033 -0.105	-0.055	-0.048	-0.073
TCRBV11_13	0.044		0.024	0.015	0.032
TCRBV11_14	-0.028	0.021	0.024	0.006	0.012
TCRBV11_15	-0.010	0.008	0.009	-0.126	0.033
TCRBV12_4	0.141	0.044		-0.056	-0.050
TCRBV12_5	0.228	0.066	-0.140 0.092	-0.231	0.140
TCRBV12_6	-0.108	-0.114		0.142	-0.265
TCRBV12_7	-0.251	-0.173	0.523	0.142	0.181
TCRBV12_8	0.090	-0.242	-0.180		-0.061
TCRBV12_9	-0.192	0.101	-0.204	-0.012	-0.104
TCRBV12_10	0.400	0.009	0.024	-0.023	
TCRBV12_11	-0.153	0.144	-0.023	-0.018	0.077
TCRBV12_12	-0.155	0.165	-0.110	0.084	0.048
TCRBV13_5	0.015	0.084	0.027	-0.118	0.011
TCRBV13_6	0.168	-0.328	0.359	0.024	-0.082
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TCRBV13 7	0.092	-0.328	-0.345	0.286	-0.170
TCRBV13 8	-0.340	0.461	-0.080	-0.091	-0.058
TCRBV13 9	0.075	0.131	-0.278	0.089	0.201
TCRBV13 10	0.529	0.005	0.015	-0.308	-0.069
TCRBV13 11	-0.316	0.032	0.076	0.260	-0.063
TCRBV13 12	-0.032	-0.099	0.102	-0.062	0.020
TCRBV13 13	-0.189	0.042	0.125	-0.080	0.210
TCRBV14 5	-0.065	0.052	-0.071	0.051	-0.018
TCRBV14_6	0.148	-0.051	0.148	0.037	-0.207
TCRBV14_7	0.080	-0.167	-0.558	0.251	0.071 0.018
TCRBV14_8	0.176	0.100	0.338	-0.368	0.090
TCRBV14_9	-0.044	-0.026	0.142	-0.020 -0.122	0.162
TCRBV14_10	-0.334	0.092	0.208	0.205	-0.054
TCRBV14_11	0.180	0.128	0.006 -0.214	-0.037	-0.069
TCRBV14_12	-0.145	-0.134	0.000	0.002	0.009
TCRBV14_13	0.004	0.005	-0.041	-0.048	-0.104
TCRBV15_4	0.033	-0.124	0.107	0.027	0.241
TCRBV15_5	0.353	0.060 -0.117	0.075	-0.346	-0.236
TCRBV15_6	-0.072	-0.026	-0.080	-0.036	-0.307
TCRBV15_7	-0.234	0.311	-0.025	0.026	0.377
TCRBV15_8	0.241	-0.005	0.067	-0.097	-0.079
TCRBV15_9	-0.335 -0.114	-0.104	0.116	0.456	0.038
TCRBV15_10	0.516	0.032	-0.164	-0.179	0.018
TCRBV15_11	-0.037	0.024	-0.082	0.029	-0.018
TCRBV15_12	0.084	0.060	0.099	-0.039	0.136
TCRBV16_5 TCRBV16 6	0.165	0.342	0.304	-0.148	0.209
TCRBV16_7	0.006	0.583	0.143	0.354	-0.294
TCRBV16 8	0.301	-0.713	-0.273	-0.172	0.245
TCRBV16_9	0.254	0.293	0.173	0.137	-0.117
TCRBV16_10	-0.768	-0.458	-0.242	-0.033	-0.102
TCRBV16_11	-0.199	-0.411	0.120	0.305	-0.053
TCRBV16 12	-0.119	0.380	0.015	-0.471	-0.175
TCRBV16_13	-0.026	0.037	0.006	-0.004	0.076
TCRBV18 3	0.023	-0.030	-0.046	-0.036	-0.003
TCRBV18_4	0.163	0.191	-0.073	0.092	-0.110 -0.288
TCRBV18_5	0.169	0.430	0.267	0.210 0.074	0.354
TCRBV18_6	0.197	0.469	0.390	-0.360	0.329
TCRBV18_7	0.075	-0.252	0.085 -0.038	0.136	-0.541
TCRBV18_8	-0.609	-0.192	0.130	0.129	0.338
TCRBV18_9	0.286	-0.175 0.322	-0.199	-0.376	-0.065
TCRBV18_10	0.634	0.335	-0.248	0.157	-0.256
TCRBV18_11	-0.021	0.003	-0.028	-0.007	0.056
TCRBV18_12	0.009 -0.078	0.023	0.007	0.026	0.080
TCRBV18_13	0.135	0.039	0.111	0.058	-0.109
TCRBV20_5	0.572	-0.241	-0.132	0.512	-0.225
TCRBV20_6 TCRBV20 7	0.259	0.389	0.205	-0.235	-0.309
TCRBV20_7	-0.568	0.514	-0.402	-0.123	0.668
TCRBV20_8	0.190 -	-0.622	0.318	0.083	0.232
TCRBV20_3	-0.154	0.268	-0.126	0.243	0.034
TCRBV20_10	-0.080	0.205	0.361	-0.047	-0.257
TCRBV20_11	-0.106	-0.227	-0.099	-0.595	-0.096
TCRBV20_12	0.075	-0.173	-0.230	-0.025	0.075
TCRBV20_14	0.026	-0.100	-0.033	-0.039	-0.084
10.00120_11		47	48	49	50
	46	47			
TCRBV01 6	-0.094	-0.019	-0.109	-0.013	-0.073
TCRBV01 7	0.014	0.212	-0.055	-0.017	0.014
TCRBV01_8	0.056	0.090	-0.072	0.048	0.034
TCRBV01_9	0.068	-0.044	0.100	-0.198	-0.050 -0.009
TCRBV01_10	-0.258	0.237	-0.029	-0.367	0.034
TCRBV01_11	-0.110	-0.140	0.044	0.336	0.034

					0.053
TCRBV01 12	0.159	0.002	-0.125	0.152	-0.053
TCRBV01 13	0.102	-0.126	0.078	0.066	0.002
_	-0.007	0.009	0.004	0.001	-0.001
TCRBV01_14	-0.031	0.204	-0.019	-0.316	0.276
TCRBV02_6		-0.019	-0.011	-0.097	0.167
TCRBV02_7	0.109	-0.141	0.150	0.408	-0.069
TCRBV02_8	0.281		-0.174	0.038	-0.303
TCRBV02_9	-0.286	0.030		-0.066	-0.093
TCRBV02 10	0.192	-0.164	-0.161		-0.029
TCRBV02 11	-0.338	-0.040	-0.252	-0.136	
TCRBV02 12	0.021	-0.169	0.204	-0.042	-0.002
TCRBV02 13	0.026	0.060	-0.059	-0.005	-0.002
_	0.001	0.006	0.008	0.006	0.001
TCRBV03_4	-0.069	0.006	0.005	-0.009	-0.004
TCRBV03_5	0.100	0.046	-0.447	0.194	-0.271
TCRBV03_6		-0.022	0.007	-0.122	-0.055
TCRBV03_7	-0.060	-0.036	-0.064	0.035	0.103
TCRBV03_8	-0.143		0.023	-0.056	0.289
TCRBV03_9	-0.020	0.009		-0.166	-0.115
TCRBV03 10	0.297	0.246	0.266	0.091	0.038
TCRBV03_11	-0.196	0.167	0.157		
TCRBV03 12	0.065	-0.072	-0.010	0.084	0.105
TCRBV03 13	-0.045	-0.128	-0.110	-0.047	-0.194
TCRBV03_15	0.082	0.035	0.012	0.007	-0.039
ICKBVU4_6	0.002				
	0.008	0.259	0.142	-0.115	0.027
TCRBV04_7		0.092	-0.010	0.131	0.000
TCRBV04_8	0.162	-0.324	0.036	-0.122	0.068
TCRBV04_9	0.114		-0.088	-0.049	0.112
TCRBV04_10	0.366	0.090	-0.064	0.022	-0.144
TCRBV04_11	-0.055	-0.161		0.428	0.080
TCRBV04 12	-0.139	-0.093	-0.181	-0.270	0.035
TCRBV04_13	-0.510	0.153	0.132		-0.258
TCRBV04 14	0.009	0.119	0.039	0.045	
TCRBV04 15	-0.036	-0.169	-0.018	-0.078	0.118
TCRBV051 5	-0.142	-0.230	-0.047	0.164	0.051
-	0.031	0.039	-0.233	-0.315	0.022
TCRBV051_6	-0.317	-0.028	0.328	0.079	-0.235
TCRBV051_7	-0.036	0.029	0.394	0.013	-0.065
TCRBV051_8		-0.371	-0.116	0.090	0.029
TCRBV051_9	0.313	0.166	0.043	-0.051	0.027
TCRBV051_10	-0.400		-0.146	-0.120	0.158
TCRBV051_11	-0.185	-0.056	-0.147	0.103	0.190
TCRBV051_12	0.242	0.176		0.100	0.089
TCRBV051_13	0.148	-0.206	-0.092	-0.251	-0.007
TCRBV052_6	0.117	-0.030	0.065		0.104
TCRBV052_7	-0.120	-0.137	0.255	0.094	-0.036
TCRBV052 8	0.042	0.040	-0.246	0.084	
TCRBV052 9	-0.258	0.016	-0.169	0.018	0.166
TCRBV052_10	-0.054	-0.203	0.129	-0.267	-0.060
TCRBV052_11	-0.208	-0.155	-0.089	0.201	-0.094
	0.004	-0.018	0.034	0.156	0.243
TCRBV052_12	0.132	0.005	0.005	0.030	-0.049
TCRBV052_13		0.041	-0.017	-0.034	-0.080
TCRBV06_5	0.057	0.038	-0.146	-0.090	0.022
TCRBV06_6	0.040		0.013	0.064	0.088
TCRBV06_7	0.290	0.121		0.013	0.001
TCRBV06_8	-0.119	-0.038	0.030	0.113	0.131
TCRBV06 9	0.051	-0.117	-0.103		-0.100
TCRBV06_10	0.353	-0.158	0.200	0.057	
TCRBV06 11	-0.067	0.067	-0.146	-0.070	0.135
TCRBV06_11	-0.561	0.259	-0.113	-0.092	-0.072
	-0.114	0.006	0.117	0.047	-0.228
TCRBV06_13	-0.003	-0.030	0.077	0.092	-0.148
TCRBV07_5		0.184	0.000	0.076	-0.069
TCRBV07_6	0.045		-0.038	-0.276	-0.058
TCRBV07_7	-0.081	0.100		-0.182	0.238
TCRBV07_8	0.334	-0.083	0.141	0.371	-0.039
TCRBV07_9	-0.152	0.034	-0.184		0.043
TCRBV07 10	-0.005	-0.047	-0.242	-0.022	0.043

		0.010	0.005	-0.117	0.116
TCRBV07_11	-0.100	0.018	0.085	0.095	-0.168
TCRBV07_12	-0.004	0.032	-0.007	-0.028	-0.017
TCRBV07_13	-0.106	0.012	-0.063	-0.025	0.020
TCRBV081_5	-0.041	-0.089	0.061	-0.235	-0.281
TCRBV081_6	-0.119	-0.006	-0.004	0.018	0.024
TCRBV081_7	-0.140	-0.080	-0.120	-0.007	0.048
TCRBV081_8	0.159	-0.219	-0.247	0.106	0.147
TCRBV081_9	0.093	0.200	-0.111	0.069	0.097
TCRBV081_10	-0.136	-0.137	0.104	0.098	0.072
TCRBV081_11	0.025	0.236	0.380	-0.025	-0.127
TCRBV081_12	0.158	0.096	0.341	0.085	-0.004
TCRBV082_4	-0.060	-0.361	0.042	-0.060	0.123
TCRBV082_5	-0.219	0.128	0.327	0.075	0.364
TCRBV082_6	-0.085	-0.150 0.150	-0.305	-0.219	-0.305
TCRBV082_7	-0.219	-0.015	-0.194	0.263	-0.147
TCRBV082_8	-0.195	0.014	-0.077	-0.062	-0.018
TCRBV082_9	0.371	0.173	-0.157	-0.194	-0.050
TCRBV082_10	0.190	0.062	0.022	0.112	0.037
TCRBV082_11	0.217	-0.009	-0.010	-0.004	-0.019
TCRBV083_4	-0.002	0.073	0.324	0.204	0.112
TCRBV083_5	0.042 -0.154	-0.021	0.041	0.021	0.276
TCRBV083_6	~0.065	-0.154	-0.219	-0.027	-0.135
TCRBV083_7	-0.077	0.033	0.189	-0.171	0.023
TCRBV083_8	-0.103	0.037	-0.096	0.040	-0.201
TCRBV083_9	0.231	-0.167	0.210	-0.153	-0.144
TCRBV083_10	0.083	-0.156	-0.167	-0.175	0.197
TCRBV083_11	0.045	0.364	-0.272	0.265	-0.109
TCRBV083_12	0.066	0.031	-0.028	0.002	-0.018
TCRBV09_5	0.294	-0.010	-0.068	-0.224	0.112
TCRBV09_6 TCRBV09_7	0.362	0.295	-0.238	-0.103	-0.191
TCRBV09_7	-0.228	0.185	-0.183	0.216	0.030
TCRBV09_8	-0.213	-0.273	-0.309	-0.218	0.227
TCRBV09_10	0.033	-0.354	0.222	-0.147	0.034
TCRBV09_11	0.137	-0.168	0.179	-0.043	-0.165
TCRBV09 12	0.027	-0.706	0.063	-0.020	-0.256
TCRBV09 13	-0.170	0.004	-0.032	0.059	-0.019 0.118
TCRBV09 14	0.119	0.063	-0.215	0.082 0.092	0.044
TCRBV09 15	0.022	0.182	-0.209	-0.236	-0.050
TCRBV10 6	-0.024	-0.097	0.226	-0.020	-0.310
TCRBV10 7	0.094	0.025	-0.184	0.122	-0.093
TCRBV10_8	0.261	0.252	0.308	0.150	0.356
TCRBV10_9	-0.443	0.090	-0.022	-0.243	0.097
TCRBV10_10	0.020	-0.452	0.064 -0.245	0.121	-0.043
TCRBV10_11	-0.026	0.083	-0.150	0.103	0.043
TCRBV10_12	0.116	0.095	0.004	0.003	0.001
TCRBV10_13	0.000	0.003	0.073	-0.073	-0.188
TCRBV11_5	-0.032	0.031	0.013	-0.160	-0.153
TCRBV11_6	0.014	-0.101 -0.095	0.063	0.013	-0.193
TCRBV11_7	0.026	-0.046	0.049	0.026	0.307
TCRBV11_8	0.154	. 0.062	-0.284	0.256	-0.062
TCRBV11_9	0.176	0.023	-0.191	-0.155	0.118
TCRBV11_10	-0.308 -0.248	0.330	0.097	0.155	0.157
TCRBV11_11		-0.124	-0.002	-0.078	-0.102
TCRBV11_12	0.140	0.123	-0.006	0.007	0.009
TCRBV11_13	0.004 0.001	0.014	0.018	0.012	0.003
TCRBV11_14		0.005	0.007	0.005	0.001
TCRBV11_15	0.001 -0.075	0.100	0.066	0.006	0.094
TCRBV12_4		0.034	0.101	0.012	0.035
TCRBV12_5	0.233	0.034	-0.088	0.073	0.026
TCRBV12_6	0.107	0.088	0.119	0.191	-0.084
TCRBV12_7	-0.081 -0.003	0.093	0.350	0.278	0.005
TCRBV12_8	0.107	0.007	-0.488	0.051	-0.149
TCRBV12_9	0.107				

monnua a 10	-0.016	0.048	0.237	-0.142	0.207
TCRBV12_10	-0.090	-0.388	-0.127	-0.193	0.108
TCRBV12_11	-0.183	-0.019	-0.171	-0.275	-0.243
TCRBV12_12	0.044	-0.033	0.014	0.017	-0.012
TCRBV13_5	-0.271	-0.059	0.035	0.203	0.209
TCRBV13_6	-0.030	0.250	0.077	-0.161	-0.196
TCRBV13_7	-0.160	0.156	0.398	0.084	-0.160
TCRBV13_8		0.118	0.070	0.023	0.158
TCRBV13_9	0.137	-0.032	-0.287	-0.074	-0.152
TCRBV13_10	0.164	-0.228	-0.211	0.086	0.066
TCRBV13_11	0.127	-0.035	-0.054	0.065	0.008
TCRBV13_12	0.009	-0.136	-0.042	-0.243	0.078
TCRBV13_13	-0.020	-0.033	-0.009	0.002	0.036
TCRBV14_5	0.004	-0.045	0.216	0.046	-0.146
TCRBV14_6	0.185	0.160	-0.134	-0.059	0.053
TCRBV14_7	-0.272	0.100	0.100	-0.057	0.089
TCRBV14_8	-0.308	-0.639	-0.201	-0.271	0.040
TCRBV14_9	0.054	0.026	-0.028	0.343	-0.065
TCRBV14_10	-0.316	0.282	0.078	0.100	-0.028
TCRBV14_11	0.564	0.183	-0.028	-0.108	0.024
TCRBV14_12	0.084	0.012	0.005	0.002	-0.004
TCRBV14_13	0.006	0.012	-0.051	-0.025	0.026
TCRBV15_4	0.018	-0.167	-0.165	-0.102	-0.247
TCRBV15_5	-0.042	0.224	-0.017	0.096	-0.169
TCRBV15_6	-0.059		-0.259	-0.083	0.285
TCRBV15_7	0.054	0.265 0.013	0.078	0.146	-0.113
TCRBV15_8	-0.097	-0.227	0.184	0.039	0.053
TCRBV15_9	-0.133	-0.079	0.066	0.147	0.153
TCRBV15_10	0.068	0.090	-0.031	-0.191	-0.183
TCRBV15_11	0.274	0.018	0.031	-0.020	0.091
TCRBV15_12	-0.155	0.104	0.034	-0.229	0.176
TCRBV16_5	0.036	-0.036	0.005	0.102	0.301
TCRBV16_6	0.142	-0.585	-0.273	0.005	-0.060
TCRBV16_7	-0.134	0.060	0.007	0.025	-0.232
TCRBV16_8	-0.189	0.020	0.006	0.007	0.051
TCRBV16_9	-0.051	0.268	-0.036	0.047	-0.116
TCRBV16_10	-0.131 -0.172	0.251	0.222	-0.016	-0.005
TCRBV16_11	0.037	-0.280	-0.150	0.103	-0.017
TCRBV16_12	0.044	-0.063	0.005	0.029	0.065
TCRBV16_13	0.029	-0.042	0.002	-0.023	-0.023
TCRBV18_3	0.318	-0.139	0.208	-0.178	0.000
TCRBV18_4	0.329	-0.013	-0.063	0.201	0.163
TCRBV18_5	0.299	0.392	0.038	-0.194	-0.116
TCRBV18_6	-0.813	-0.105	0.141	0.029	-0.013
TCRBV18_7	0.313	0.305	0.063	-0.275	0.014
TCRBV18_8	-0.229	-0.283	0.005	0.047	-0.084
TCRBV18_9	-0.205	-0.198	0.318	0.048	-0.313
TCRBV18_10	-0.155	-0.036	0.150	0.090	-0.068
TCRBV18_11	-0.013	0.008	0.008	-0.003	0.035
TCRBV18_12	-0.057	-0.076	-0.031	-0.018	0.022
TCRBV18_13	0.001	0.172	0.110	~0.027	-0.213
TCRBV20_5	-0.161	0.200	0.001	0.219	0.053
TCRBV20_6	-0.277	0.053	0.085	-0.109	0.113
TCRBV20_7	-0.077	0.280	-0.130	-0.204	-0.219
TCRBV20_8	0.312	-0.332	0.028	0.436	-0.109
TCRBV20_9	-0.214	-0.152	-0.028	-0.169	0.013
TCRBV20_10	0.151	-0.090	0.053	-0.048	-0.151
TCRBV20_11	0.152	0.226	-0.058	-0.109	0.329
TCRBV20_12	0.132	-0.203	-0.184	0.039	0.059
TCRBV20_13	0.015	0.069	-0.041	-0.020	0.021
TCRBV20_14	0.015	0.005			

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TCRBV01_6 0.016 0.001

TCRBV01 7	-0.020	-0.075
TCRBV01 8	-0.138	0.225
TCRBV01_9	-0.111	-0.177
TCRBV01_10	0.077	0.009
TCRBV01_11	-0.103	-0.006
TCRBV01 12	0.204	-0.057
TCRBV01 13	0.045	0.035
TCRBV01 14	-0.004	-0.002
TCRBV02_6	0.155	-0.115
TCRBV02 7	-0.123	-0.062
TCRBV02_8	-0.486	0.108
TCRBV02 9	0.044	0.010
TCRBV02_10	-0.018	-0.073
TCRBV02_11	-0.030	-0.039
TCRBV02_12	-0.053	-0.132
TCRBV02_13	0.004	-0.038
TCRBV03_4	0.013	0.009
TCRBV03_5	-0.013	0.017
TCRBV03_6	-0.052	-0.094
TCRBV03_7	0.096	-0.156 0.047
TCRBV03_8	0.103	0.047
TCRBV03_9	0.047	-0.112
TCRBV03_10	-0.035	0.052
TCRBV03_11	-0.110	-0.024
TCRBV03_12	-0.035 -0.046	0.128
TCRBV03_13	-0.036	0.015
TCRBV04_6	-0.061	-0.174
TCRBV04_7	0.157	-0.086
TCRBV04_8	-0.013	-0.501
TCRBV04_9 TCRBV04 10	-0.157	0.379
TCRBV04_10 TCRBV04_11	0.170	0.114
TCRBV04_12	-0.081	0.102
TCRBV04 13	-0.178	0.053
TCRBV04 14	0.221	0.006
TCRBV04 15	-0.022	0.093
TCRBV051_5	-0.218	-0.117
TCRBV051_6	-0.130	-0.082
TCRBV051_7	-0.092	-0.197
TCRBV051_8	-0.016	0.098
TCRBV051_9	0.115	0.071 0.118
TCRBV051_10	-0.193	0.174
TCRBV051_11	0.184	-0.014
TCRBV051_12	0.140	0.064
TCRBV051_13	0.193 -0.046	-0.243
TCRBV052_6	0.062	0.085
TCRBV052_7	0.001	0.106
TCRBV052_8	0.140	0.107
TCRBV052_9 TCRBV052 10	0.067	0.130
_	-0.041	-0.072
TCRBV052_11 TCRBV052_12	-0.120	-0.036
TCRBV052_12	-0.079	0.038
TCRBV052_15	-0.084	-0.030
TCRBV06_6	-0.046	-0.081
TCRBV06_7	-0.200	-0.093
TCRBV06_7	0.281	0.003
TCRBV06_8	-0.182	-0.116
TCRBV06_10	0.037	0.149
TCRBV06_10	0.050	-0.020
TCRBV06_12	-0.010	0.049
TCRBV06_13	0.121	0.093
TCRBV07_5	0.004	-0.075
TCRBV07 6	0.025	-0.118
-		

FIG. 106C

TCRBV07_7	-0.084	-0.014
— .	0.078	0.105
TCRBV07_8	-0.127	-0.129
TCRBV07_9	0.244	0.127
TCRBV07_10	-0.027	0.159
TCRBV07_11		-0.110
TCRBV07_12	-0.098	
TCRBV07 13	-0.048	0.008
TCRBV081 5	0.068	0.013
TCRBV081 6	-0.048	0.102
10.001_0		
mannyaaa 7	0.022	0.081
TCRBV081_7	-0.095	-0.081
TCRBV081_8	-0.026	-0.092
TCRBV081_9		0.096
TCRBV081_10	0.012	
TCRBV081_11	-0.043	0.029
TCRBV081_12	0.110	-0.148
TCRBV082_4	0.344	-0.050
TCRBV082 5	-0.179	-0.047
TCRBV082 6	0.337	-0.016
-	-0.287	0.254
TCRBV082_7	0.044	-0.045
TCRBV082_8	-0.169	0.056
TCRBV082_9	-0.109	-0.130
TCRBV082_10		-0.021
TCRBV082_11	0.020	
TCRBV083_4	-0.003	0.009
TCRBV083 5	-0.066	-0.001
TCRBV083 6	-0.157	-0.003
TCRBV083_7	0.199	0.101
TCRBV083 8	-0.327	0.003
-	0.173	0.032
TCRBV083_9	0.206	-0.042
TCRBV083_10	-0.173	0.039
TCRBV083_11	0.148	-0.139
TCRBV083_12		0.008
TCRBV09_5	0.036	
TCRBV09_6	0.075	0.122
TCRBV09_7	-0.183	0.216
TCRBV09 8	0.168	-0.023
TCRBV09 9	0.002	-0.075
TCRBV09 10	0.084	-0.016
TCRBV09 11	0.143	0.010
TCRBV09_12	0.013	-0.297
TCRBV09_13	-0.277	-0.142
	-0.264	0.022
TCRBV09_14	-0.030	-0.055
TCRBV09_15	-0.015	-0.051
TCRBV10_6		-0.026
TCRBV10_7	-0.087	
TCRBV10_8	0.007	-0.177
TCRBV10_9	0.026	0.096
TCRBV10_10	-0.149	0.220
TCRBV10_11	0.094	0.065
TCRBV10_12	0.117	-0.002
TCRBV10 13	0.006	0.004
	0.041	0.053
TCRBV11_5	0.108	0.035
TCRBV11_6	-0.150	0.218
TCRBV11_7		-0.158
TCRBV11_8	-0.292	
TCRBV11_9	0.194	-0.136
TCRBV11 10	-0.113	0.030
TCRBV11_11	0.093	-0.169
TCRBV11_12	0.019	0.053
TCRBV11_13	0.026	-0.000
	0.029	0.019
TCRBV11_14	0.011	0.007
TCRBV11_15	-0.159	-0.079
TCRBV12_4	-0.133	0.0.5

FIG. 106D

		0.128
TCRBV12_5	0.077	
TCRBV12_6	-0.113	-0.017
	-0.022	0.280
	0.151	0.020
TCRBV12_8		-0.241
TCRBV12_9	0.132	-0.051
TCRBV12_10	0.001	
TCRBV12_11	-0.136	-0.088
	0.069	0.049
TCRBV12_12	0.074	-0.037
TCRBV13_5	-0.307	-0.069
TCRBV13_6		-0.060
TCRBV13_7	0.086	
TCRBV13_8	-0.001	0.140
TCRBV13 9	0.061	-0.077
TCRBV13_10	0.175	-0.011
	0.064	0.225
TCRBV13_11	0.014	0.036
TCRBV13_12		-0.147
TCRBV13_13	-0.165	0.019
TCRBV14_5	-0.002	
TCRBV14_6	-0.189	-0.020
TCRBV14_7	0.083	-0.062
	0.103	-0.023
	0.028	0.026
TCRBV14_9	0.080	-0.040
TCRBV14_10	-0.259	0.123
TCRBV14_11		-0.026
TCRBV14_12	0.148	0.003
TCRBV14_13	0.008	
TCRBV15_4	0.029	-0.052
TCRBV15_5	-0.116	-0.158
	-0.006	-0.061
TCRBV15_6	0.240	0.066
TCRBV15_7	0.057	0.031
TCRBV15_8		0.015
TCRBV15_9	0.076	0.189
TCRBV15_10	-0.095	
TCRBV15_11	-0.164	-0.094
TCRBV15_12	-0.053	0.018
	0.264	0.038
	0.025	0.032
TCRBV16_6	-0.235	0.165
TCRBV16_7	-0.007	-0.071
TCRBV16_8		0.058
TCRBV16_9	0.099	-0.097
TCRBV16_10	-0.263	
TCREV16_11	-0.055	0.105
TCRBV16_12	0.113	-0.166
	0.008	0.003
20.00	0.010	0.022
	-0.061	0.036
TCRBV18_4	-0.064	0.023
TCRBV18_5		-0.065
TCRBV18_6	0.039	-0.108
TCRBV18_7	0.121	
TCRBV18_8	0.036	-0.001
TCRBV18_9	-0.230	-0.031
mcmpvii 9 10	-0.010	-0.013
TCRBV18_10	0.078	0.235
TCRBV18_11	0.007	0.001
TCRBV18_12		0.006
TCRBV18_13	0.031	0.080
TCRBV20_5	0.092	
TCRBV20_6	-0.210	0.024
TCRBV20_0	-0.208	-0.132
	0.075	0.200
TCRBV20_8	0.136	0.064
TCRBV20_9	-0.026	0.105
TCRBV20_10		0.007
TCRBV20_11	-0.060	
TCRBV20_12	0.170	-0.154
TCRBV20_13	-0.025	-0.197
10.00 100_00		

FIG. 107A

TCRBV20_14	0.023	-0.042			
Variance Explained by					
	1	2	3	4	5
	806.097	574.767	525.021	474.758	360.278
	6	7	8	9	10
	326.711	312.488	234.426	220.247	205.757
	11	12	13	14	15
	197.164	187.097	166.789	160.829	147.404
	16	17	18	19	20
	130.104	128.438	120.749	108.967	98.134
	21	22	23	24	25
	90.690	78.013	76.711	61.271	59.256
	26	27	28	29	30
	50.362	48.663	39.763	37.130	32.355
	31	32	33	34	35
	29.161	26.169	24.054	21.550	20.080
	36	37	38	39	40
	18.509	17.875	15.007	13.936	12.903
	41	42	43 .	44	45
	11.317	9.508	8.822	8.187	7.641
	46	47	48	49	50
	6.640	5.734	4.707	4.103	3.624
	51	52			
	3.345	2.374			
Percent of Total Va	ariance Explai	ned			
	1	2	3	4	5
	12.723	9.072	8.287	7.493	5.686
	6	7		9	10
	5.157	4.932	3.700	3.476	3.248
	11		13	14	15
	3.112	2.953	2.633	2.538	
	16	17	18	19	20

2.054	2.027	1.906	1.720	1.549
21	22	23	24	25
1.431	1.231	1.211	0.967	0.935
26	27	28	29	30
0.795	0.768	0.628	0.586	0.511
31	32	33	34	35
0.460	0.413	0.380	0.340	0.317
36	37	38	39	40
0.292	0.282	0.237	0.220	0.204
41	42	43	44	45
0.179	0.150	0.139	0.129	0.121
46	47	48	49	50
0.105	0.090	0.074	0.065	0.057
51	52			
0.053	0.037			

Scree Plot

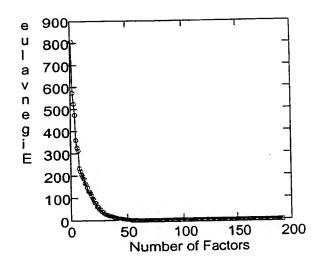


FIG. 107C

Coefficients	for	Standardized	Factor	Scores
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coefficients for	5candara				
	1	2	3	4	5
		-0.000	-0.000	0.000	0.000
TCRBV01_6	-0.000	0.001	-0.000	0.000	0.000
TCRBV01_7	0.001	-0.002	0.008	-0.010	0.007
TCRBV01_8	-0.003	0.004	0.003	0.006	0.006
TCRBV01_9	0.001	0.004	0.004	0.003	0.003
TCRBV01_10	0.004		-0.001	0.003	-0.000
TCRBV01_11	0.000	0.005	-0.002	0.000	0.001
TCRBV01_12	-0.000	0.002	-0.002	0.000	-0.000
TCRBV01_13	-0.000	0.000	-0.000	0.000	-0.000
TCRBV01_14	-0.000	0.000	-0.001	-0.000	-0.000
TCRBV02_6	0.001	-0.000	0.001	-0.000	-0.003
TCRBV02_7	0.001	0.001	0.000	0.000	0.002
TCRBV02_8	0.000	0.001	0.000	0.000	-0.004
TCRBV02_9	0.001	0.000	0.001	-0.002	0.002
TCRBV02_10	-0.000	-0.000	0.003	-0.000	0.001
TCRBV02_11	-0.001	-0.000	0.003	-0.000	0.000
TCRBV02_12	-0.001	-0.000	0.000	-0.001	0.001
TCRBV02_13	-0.000	-0.000	-0.000	0.000	0.000
TCRBV03_4	-0.000	-0.000	-0.000	-0.000	0.000
TCRBV03_5	-0.000	-0.000	-0.001	-0.002	0.000
TCRBV03_6	0.003	0.000	-0.001	-0.002	0.002
TCRBV03_7	0.003	0.003	-0.001	-0.002	0.004
TCRBV03_8	0.004	0.004	-0.003	-0.000	0.005
TCRBV03_9	0.005	0.005	0.003	-0.002	0.014
TCRBV03_10	-0.004	0.001	0.007	0.004	0.002
TCRBV03_11	-0.006	0.002	0.003	0.002	-0.004
TCRBV03_12	-0.001	0.000	0.005	0.005	-0.006
TCRBV03_13	-0.001	-0.001		-0.000	0.000
TCRBV04_6	0.000	-0.000	-0.000 -0.000	-0.001	0.000
TCRBV04_7	0.001	-0.000	0.001	-0.002	0.000
TCRBV04_8	0.002	0.000		-0.003	0.000
TCRBV04_9	0.006	-0.002	0.001 -0.001	-0.001	0.003
TCRBV04_10	0.006	-0.001	-0.001	0.004	-0.002
TCRBV04_11	-0.003	0.001	-0.003	0.003	0.004
TCRBV04_12	-0.005	0.002	0.001	0.005	-0.007
TCRBV04_13	-0.004	0.003	0.001	-0.005	0.001
TCRBV04_14	-0.004	-0.002	0.000	-0.000	-0.000
TCRBV04_15	-0.000	0.000	-0.000	-0.000	0.000
TCRBV051_5	0.000	0.000	0.000	0.000	0.002
TCRBV051_6	0.000	-0.000	-0.001	-0.002	0.003
TCRBV051_7	-0.000	-0.001	0.014	0.014	0.001
TCRBV051_8	0.007	-0.020	-0.003	0.006	-0.005
TCRBV051_9	0.000	0.002	-0.007	-0.004	-0.004
TCRBV051_10	-0.001	0.009	0.004	-0.013	-0.003
TCRBV051_11	-0.002	0.005	-0.001	-0.002	-0.002
TCRBV051_12	-0.001	0.006 0.000	-0.000	-0.000	-0.000
TCRBV051_13	0.000		-0.001	-0.001	-0.000
TCRBV052_6	0.000	0.001	0.000	0.001	-0.002
TCRBV052_7	0.001	0.005	0.012	0.007	-0.010
TCRBV052_8	-0.004	0.010	0.002	-0.001	0.000
TCRBV052_9	0.002	-0.002	-0.005	-0.002	-0.001
TCRBV052_10	0.002	-0.004	-0.001	-0.004	0.004
TCRBV052_11	0.001	-0.005	-0.002	-0.001	0.000
TCRBV052_12	0.000	-0.004	-0.002	-0.000	-0.001
TCRBV052_13	0.000	-0.001	-0.000	-0.000	-0.000
TCRBV06_5	0.000	0.000	-0.001	0.000	0.001
TCRBV06_6	0.001	0.001	0.001	0.000	-0.000
TCRBV06_7	0.003	0.002	0.001	0.001	0.001
TCRBV06_8	0.003	0.003	0.004	J. J	

			0.005	-0.007	0.006
TCRBV06_9	0.004	0.002	-0.000	0.002	0.005
TCRBV06_10	-0.003	0.004	0.002	0.004	0.002
TCRBV06_11	-0.004	0.002	-0.002	0.002	0.002
TCRBV06_12	-0.002	-0.001		0.002	0.001
TCRBV06_13	-0.000	-0.000	-0.000	-0.000	-0.000
TCRBV07_5	0.000	0.000	-0.000		
TCRBV07 6	0.001	0.000	0.004	0.003	-0.003
TCRBV07 7	0.002	-0.001	0.006	-0.002	-0.002
TCRBV07 8	0.002	0.004	0.001	0.001	0.004
TCRBV07 9	0.006	0.004	0.005	-0.002	0.003
TCRBV07_10	-0.001	0.004	-0.001	0.002	0.008
TCRBV07 11	-0.004	0.001	-0.001	0.000	0.005
TCRBV07 12	-0.002	0.001	-0.001	0.001	0.001
TCRBV07_13	-0.000	-0.000	-0.000	-0.000	0.000
TCRBV081 5	-0.000	-0.000	0.000	0.000	0.000
TCRBV081 6	-0.000	0.001	-0.000	-0.001	0.002
TCRBV081_0	0.001	-0.001	0.000	-0.002	0.006
_	0.001	-0.000	0.002	0.000	0.002
TCRBV081_8 TCRBV081 9	0.005	-0.008	-0.001	-0.003	-0.001
-	-0.002	0.002	-0.003	0.005	-0.004
TCRBV081_10	-0.002	0.004	0.001	0.001	-0.003
TCRBV081_11	-0.001	0.002	0.000	-0.001	-0.002
TCRBV081_12		-0.001	-0.000	-0.002	-0.001
TCRBV082_4	0.001	-0.001	-0.001	-0.005	-0.002
TCRBV082_5	0.002		0.000	-0.004	-0.002
TCRBV082_6	0.002	-0.001	0.003	-0.008	-0.008
TCRBV082_7	0.005	-0.004	-0.000	0.004	-0.001
TCRBV082_8	-0.002	0.002		0.007	0.008
TCRBV082_9	-0.004	0.004	-0.001	0.006	0.004
TCRBV082_10	-0.003	0.001	-0.001	0.003	0.002
TCRBV082_11	-0.001	0.000	0.000		-0.000
TCRBV083_4	-0.000	-0.000	0.000	0.000	
TCRBV083_5	-0.000	0.000	0.000	-0.000	-0.000
TCRBV083 6	0.001	-0.000	-0.002	-0.001	-0.002
TCRBV083 7	-0.000	-0.001	0.002	-0.001	0.004
TCRBV083_8	0.000	0.002	0.000	-0.002	0.003
TCRBV083 9	0.001	0.000	-0.002	0.000	0.001
TCRBV083 10	-0.001	0.001	-0.000	0.002	-0.000
TCRBV083_11	-0.001	-0.000	0.003	0.002	-0.004
TCRBV083_12	-0.000	-0.001	-0.001	0.001	-0.003
TCRBV09_5	-0.000	-0.000	0.000	0.000	0.000
TCRBV09_6	0.000	-0.000	-0.001	0.000	0.001
TCRBV09 7	0.001	-0.001	-0.000	-0.001	0.006
TCRBV09_8	0.000	-0.002	0.005	0.010	0.012
TCRBV09_9	0.003	-0.001	0.008	0.006	0.008
TCRBV09_10	0.003	0.006	0.001	-0.004	0.010
TCRBV09_10	-0.002	0.005	0.013	-0.008	-0.014
TCRBV09_12	-0.000	0.006	-0.001	-0.003	-0.003
	0.000	0.001	-0.000	-0.001	-0.001
TCRBV09_13	0.000	0.000	-0.000	-0.000	-0.000
TCRBV09_14	0.000	-0.000	0.000	-0.000	-0.000
TCRBV09_15	0.001	0.001	-0.000	-0.001	-0.001
TCRBV10_6	0.001	0.003	0.002	0.002	-0.005
TCRBV10_7		0.003	-0.000	0.001	-0.000
TCRBV10_8	0.002	-0.003	0.001	-0.004	0.001
TCRBV10_9	-0.005		0.000	0.001	0.001
TCRBV10_10	-0.001	-0.003		0.001	0.003
TCRBV10_11	0.002	-0.001	-0.002	0.001	0.001
TCRBV10_12	0.000	-0.000	-0.001	0.000	0.000
TCRBV10_13	-0.000	-0.000	-0.000		
TCRBV11_5	0.000	-0.000	-0.000	0.000	0.001
TCRBV11_6	0.001	0.001	0.000	-0.002	0.001
TCRBV11_7	0.001	0.002	0.002	0.000	-0.001
TCRBV11 8	0.001	0.003	0.004	-0.003	-0.000
TCRBV11 9	0.004	0.003	0.011	-0.002	0.003
TCRBV11_10	-0.000	0.003	0.000	0.004	0.005

					(-)
	0.000	0.002	-0.003	0.001	0.004
TCRBV11_11	-0.002 -0.001	0.000	-0.002	0.003	0.002
TCRBV11_12	-0.001	-0.000	-0.001	0.000	0.001
TCRBV11_13	-0.001	-0.000	-0.000	0.000	0.000
TCRBV11_14	-0.000	-0.000	-0.000	0.000	0.000
TCRBV11_15	-0.000	0.000	0.000	0.000	-0.001
TCRBV12_4	0.002	0.001	0.006	0.001	-0.008
TCRBV12_5		0.002	0.002	-0.004	0.003
TCRBV12_6	0.003 0.005	0.001	0.000	-0.005	0.005
TCRBV12_7	0.003	-0.001	-0.006	-0.002	0.002
TCRBV12_8	-0.002	-0.002	-0.005	0.005	-0.001
TCRBV12_9	-0.003	-0.001	0.003	0.003	-0.001
TCRBV12_10	-0.002	-0.000	0.000	0.001	0.001
TCRBV12_11	-0.004	-0.000	0.000	0.001	-0.000
TCRBV12_12	-0.000	-0.000	-0.000	0.000	0.000
TCRBV13_5	0.000	0.001	0.000	-0.003	-0.002
TCRBV13_6	0.002	-0.001	-0.003	-0.002	0.007
TCRBV13_7	0.001	-0.000	-0.002	0.000	0.003
TCRBV13_8	0.000	0.000	0.009	0.010	-0.012
TCRBV13_9	-0.003	0.001	-0.002	-0.003	0.004
TCRBV13_10	-0.001	-0.001	-0.001	-0.003	-0.002
TCRBV13_11	-0.000	-0.000	-0.001	0.000	0.000
TCRBV13_12	0.000	-0.000	-0.000	0.000	0.000
TCRBV13_13	0.000	0.000	0.000	-0.000	-0.001
TCRBV14_5	0.001	-0.000	-0.002	-0.002	0.001
TCRBV14_6	-0.001	0.000	0.000	-0.002	-0.002
TCRBV14_7	0.003	-0.001	-0.001	-0.000	-0.001
TCRBV14_8	0.001	-0.001	-0.002	0.007	0.001
TCRBV14_9	-0.002	0.000	0.002	-0.004	0.002
TCRBV14_10	-0.002	0.001	0.002	-0.001	-0.000
TCRBV14_11	-0.000	0.000	-0.000	0.000	0.000
TCRBV14_12	-0.000	-0.000	-0.000	0.000	0.000
TCRBV14_13	-0.000	0.000	-0.000	0.000	0.000
TCRBV15_4	0.001	-0.002	-0.001	0.000	0.004
TCRBV15_5	0.002	0.000	0.001	-0.001	0.003
TCRBV15_6	0.004	0.003	0.003	0.000	0.004
TCRBV15_7 TCRBV15_8	0.006	0.004	0.005	0.001	0.004
TCRBV15_8	-0.002	0.006	0.007	0.002	-0.000
TCRBV15_5	-0.004	0.003	-0.003	0.001	0.002
TCRBV15_10	-0.003	0.001	-0.002	0.000	-0.000
TCRBV15_12	-0.001	0.000	0.000	-0.000	-0.000
TCRBV16 5	-0.000	0.000	0.000	0.000	-0.001
TCRBV16_6	0.001	-0.001	0.001	0.002	0.001
TCRBV16_7	0.005	0.001	0.002	0.001	0.001
TCRBV16 8	0.007	0.006	-0.002	0.001	-0.003
TCRBV16 9	0.009	0.010	-0.004	0.004	-0.005
TCRBV16_10	0.000	0.006	0.001	0.005	-0.003 0.013
TCRBV16 11	-0.005	-0.002	0.007	0.002	0.004
TCRBV16 12	-0.010	-0.004	0.011	-0.014	-0.000
TCRBV16_13	-0.000	-0.000	0.000	0.000	0.000
TCRBV18_3	0.000	-0.000	-0.000	-0.000	0.001
TCRBV18 4	0.000	-0.000	0.000	-0.002	-0.002
TCRBV18_5	0.000	0.001	0.003	-0.000 -0.002	-0.002
TCRBV18_6	-0.002	0.003	0.006		0.002
TCRBV18_7	-0.000	0.006	0.004	0.003	0.009
TCRBV18_8	0.002	0.009	-0.002	-0.000	0.010
TCRBV18 9	-0.001	0.003	0.000	0.003	0.010
TCRBV18 10	-0.000	0.002	-0.000	0.003	0.004
TCRBV18 11	-0.001	-0.000	-0.001	0.001	-0.000
TCRBV18_12	-0.000	0.000	0.000	0.000	0.000
TCRBV18_13	0.000	-0.000	-0.000	-0.000	0.001
TCRBV20_5	0.000	-0.000	0.000	0.000	-0.001
TCRBV20_6	0.001	-0.000	0.001	0.000	-0.001
TCRBV20_7	0.002	0.001	0.001	0.001	0.000
_					

	004	0.002	0.002	-0.001	0.001
TCRBV20_8	U.004		0.004	0.004	0.005
TCRBV20_9	0.004	0.004	0.003	-0.004	0.000
TCRBV20 10	-0.001	0.006		0.000	0.001
TCRBV20 11	-0.005	0.003	0.003		0.001
TCRBV20 12	-0.002	0.001	-0.001	0.001	
_	-0.000	-0.003	-0.002	0.001	0.008
TCRBV20_13		0.000	-0.000	0.000	0.000
TCRBV20_14	-0.000	0.000	•		
		_	8	9	10
	6	7	0	•	
				-0.000	-0.000
TCRBV01 6	0.000	-0.000	-0.000		
TCRBV01 7	-0.002	0.000	0.000	0.001	0.001
	0.002	-0.008	0.002	0.011	-0.002
TCRBV01_8	0.000	0.003	-0.003	0.010	0.001
TCRBV01_9		0.005	-0.002	-0.008	-0.000
TCRBV01_10	-0.000		0.002	-0.008	0.006
TCRBV01_11	0.007	0.003		-0.002	0.003
TCRBV01 12	0.002	0.001	-0.002		0.001
TCRBV01 13	0.001	-0.001	0.001	-0.001	
TCRBV01 14	0.000	-0.000	0.000	-0.000	-0.000
_	-0.001	-0.002	-0.001	0.002	0.001
TCRBV02_6	-0.001	-0.001	0.002	0.002	-0.003
TCRBV02_7	-0.001	0.002			
		0 001	-0.000	-0.003	0.001
TCRBV02_8	-0.004	-0.001	-0.009	0.002	0.000
TCRBV02 9	-0.001	0.002		-0.002	0.001
TCRBV02 10	-0.004	-0.002	-0.003		-0.000
TCRBV02 11	-0.000	0.000	0.002	0.001	
	0.001	0.001	-0.000	0.000	-0.003
TCRBV02_12	0.000	-0.000	0.001	0.001	0.000
TCRBV02_13		0.000	0.000	-0.000	0.000
TCRBV03_4	0.000		0.000	-0.000	-0.000
TCRBV03_5	0.000	0.000	-0.001	0.004	-0.003
TCRBV03_6	-0.000	0.003		0.002	-0.002
TCRBV03 7	0.000	0.004	-0.003	0.012	-0.001
TCRBV03 8	0.000	0.004	-0.005		
TCRBV03 9	0.002	0.005	-0.007	0.007	0.000
_	0.008	-0.009	0.005	-0.000	-0.000
TCRBV03_10	0.005	-0.005	-0.010	-0.008	0.010
TCRBV03_11		0.000	0.006	-0.008	0.001
TCRBV03_12	0.001	-0.000	0.014	-0.005	0.004
TCRBV03_13	-0.005		0.000	0.000	0.000
TCRBV04_6	0.000	0.000		0.001	0.005
TCRBV04 7	-0.001	0.001	-0.000	-0.000	0.006
TCRBV04_8	0.001	0.002	-0.003		0.008
TCRBV04 9	-0.000	0.004	-0.001	-0.007	
TCRBV04 10	-0.002	0.003	-0.003	-0.005	0.001
TCRBV04_10	0.000	-0.003	0.004	-0.004	-0.008
	0.000	0.000	0.004	0.000	-0.011
TCRBV04_12	0.000	-0.002	-0.001	0.014	-0.001
TCRBV04_13		-0.005	0.001	0.000	0.001
TCRBV04_14	0.002		0.001	0.001	-0.001
TCRBV04_15	-0.000	-0.000		-0.000	0.001
TCRBV051_5	-0.000	0.000	0.000	-0.001	0.001
TCRBV051 6	0.000	0.001	0.001		0.005
TCRBV051 7	-0.000	-0.001	0.001	0.002	
TCRBV051 8	0.008	-0.007	-0.009	0.000	-0.004
	0.014	-0.005	-0.001	0.012	-0.002
TCRBV051_9		-0.000	0.004	0.006	-0.008
TCRBV051_10	-0.003	0.002	0.011	-0.006	-0.001
TCRBV051_11	-0.003		-0.001	0.000	-0.007
TCRBV051_12	-0.003	0.001		-0.000	0.000
TCRBV051_13	-0.000	0.000	0.000	0.000	-0.001
TCRBV052_6	-0.001	-0.000	0.001		
TCRBV052 7	-0.005	-0.005	-0.003	0.003	-0.000
TCRBV052_8	-0.013	-0.002	-0.014	0.002	0.002
-	0.006	-0.008	-0.004	0.014	-0.027
TCRBV052_9	0.006	-0.003	0.009	0.002	0.003
TCRBV052_10		0.007	0.013	-0.007	0.006
TCRBV052_11	0.011		0.015	0.000	0.003
TCRBV052_12	0.006	0.004	0.005	0.00	

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TCRBV052_13	0.001	0.001	-0.000	0.000	-0.000
TCRBV06 5	-0.000	0.000	-0.000	-0.000	0.000
TCRBV06 6	-0.000	-0.002	0.001	0.001	-0.000
TCRBV06 7	-0.000	-0.002	0.003	0.004	-0.004
TCRBV06 8	-0.003	0.000	0.008	-0.004	0.000
_	0.009	-0.009	0.007	-0.007	-0.003
TCRBV06_9		0.005	-0.007	-0.003	0.008
TCRBV06_10	0.007		-0.007	0.007	0.005
TCRBV06_11	-0.001	0.006			0.003
TCRBV06_12	-0.000	0.004	-0.006	0.006	0.003
TCRBV06_13	-0.000	0.000	-0.001	0.000	
TCRBV07_5	-0.000	-0.000	0.000	0.000	-0.000
TCRBV07 6	-0.003	-0.001	0.008	-0.004	0.005
TCRBV07 7	0.009	0.002	-0.002	-0.005	0.001
TCRBV07 8	-0.005	-0.001	-0.005	0.009	0.007
TCRBV07 9	0.001	-0.007	-0.000	0.002	-0.007
TCRBV07 10	0.006	0.004	-0.005	-0.004	0.001
TCRBV07_10	0.004	0.001	0.004	0.004	0.000
-	0.000	0.003	-0.001	0.001	0.001
TCRBV07_12			0.000	-0.000	-0.000
TCRBV07_13	-0.001	0.001		-0.001	0.000
TCRBV081_5	-0.000	0.000	0.000	-0.001	0.001
TCRBV081_6	-0.001	0.002	0.005		
TCRBV081_7	-0.003	0.009	0.005	-0.004	-0.003
TCRBV081_8	-0.003	0.009	0.003	-0.002	-0.004
TCRBV081_9	-0.009	0.000	-0.005	-0.000	-0.002
TCRBV081 10	0.012	-0.016	-0.002	0.001	0.001
TCRBV081 11	0.005	-0.004	-0.003	0.004	0.005
TCRBV081 12	-0.000	-0.001	-0.003	0.003	0.001
TCRBV082 4	0.000	-0.000	0.000	-0.000	0.003
TCRBV082 5	-0.001	-0.001	-0.002	0.001	0.008
TCRBV082_6	-0.000	-0.001	-0.002	0.002	0.005
—	0.001	-0.002	-0.002	-0.001	0.013
TCRBV082_7		-0.002	-0.001	0.001	-0.008
TCRBV082_8	0.002		0.001	-0.003	-0.011
TCRBV082_9	0.001	0.002		0.000	-0.009
TCRBV082_10	-0.002	0.001	0.003		-0.002
TCRBV082_11	-0.000	0.002	0.001	0.000	
TCRBV083_4	-0.000	0.000	0.001	-0.000	0.000
TCRBV083_5	-0.000	-0.000	-0.000	0.002	0.001
TCRBV083_6	0.001	-0.000	0.001	0.001	-0.000
TCRBV083_7	0.003	0.001	0.005	-0.006	-0.001
TCRBV083_8	0.001	-0.002	-0.004	-0.002	-0.002
TCRBV083_9	-0.003	-0.001	0.002	0.001	-0.005
TCRBV083 10	-0.004	-0.002	-0.000	0.002	0.004
TCRBV083 11	0.002	0.003	-0.001	0.001	0.002
TCRBV083_12	0.001	0.000	-0.003	0.003	0.001
TCRBV09 5	-0.000	0.000	-0.000	-0.001	-0.001
TCRBV09 6	0.000	0.000	0.001	0.001	0.003
TCRBV09_7	-0.001	-0.003	-0.003	0.002	0.007
TCRBV09_8	-0.001	0.002	-0.000	0.010	0.012
—		-0.004	0.003	0.001	0.009
TCRBV09_9	-0.004			-0.001	-0.003
TCRBV09_10	-0.011	0.002	-0.008		-0.003
TCRBV09_11	0.007	0.016	-0.011	-0.004	
TCRBV09_12	-0.002	-0.000	0.001	0.009	-0.011
TCRBV09_13	-0.001	-0.000	0.000	0.002	-0.002
TCRBV09_14	-0.000	-0.000	-0.000	0.000	-0.000
TCRBV09_15	-0.000	-0.000	-0.000	0.000	0.000
TCRBV10_6	-0.000	-0.000	0.001	-0.002	-0.002
TCRBV10 7	-0.003	-0.002	-0.000	-0.000	-0.004
TCRBV10 8	-0.006	-0.006	0.001	0.001	-0.006
TCRBV10_9	-0.010	-0.009	-0.015	-0.015	-0.001
TCRBV10_5	0.003	0.004	0.004	0.007	0.000
—		0.010	0.005	0.004	0.007
TCRBV10_11	0.012		0.003	0.004	0.005
TCRBV10_12	0.004	0.004		0.000	0.000
TCRBV10_13	0.000	0.000	0.000		
TCRBV11_5	-0.000	-0.000	-0.001	0.000	-0.001

				0 000	0.002
TCRBV11_6	-0.001	-0.003	-0.001	0.002	0.002
TCRBV11 7	-0.002	-0.002	-0.001	0.001	0.001
TCRBV11 8	0.001	-0.006	-0.001	0.008	
TCRBV11 9	0.004	0.003	-0.009	-0.006	-0.006
TCRBV11 10	0.002	0.002	0.005	0.002	0.004
TCRBV11_11	0.003	0.002	0.004	-0.003	0.002
TCRBV11_11	0.003	0.005	0.001	-0.001	0.001
	0.000	0.002	0.001	-0.001	0.001
TCRBV11_13	0.001	0.000	0.000	-0.000	0.000
TCRBV11_14	0.000	0.000	0.000	-0.000	0.000
TCRBV11_15	-0.000	0.000	-0.000	0.001	-0.000
TCRBV12_4		0.002	0.015	-0.000	0.006
TCRBV12_5	-0.005	0.002	0.002	0.001	0.003
TCRBV12_6	-0.002		0.002	0.011	-0.000
TCRBV12_7	-0.003	0.003	-0.000	0.008	0.003
TCRBV12_8	-0.000	0.001	-0.002	-0.004	0.003
TCRBV12_9	-0.000	-0.011		-0.020	-0.018
TCRBV12_10	0.007	0.006	-0.011	0.001	0.004
TCRBV12_11	0.003	-0.005	-0.003	0.000	0.000
TCRBV12_12	0.001	-0.001	-0.002	0.000	0.000
TCRBV13_5	0.000	0.000	0.000	-0.000	-0.002
TCRBV13 6	0.007	0.005	-0.005		-0.002
TCRBV13 7	0.003	-0.005	-0.004	0.003	0.001
TCRBV13 8	-0.009	-0.003	0.003	0.000	0.001
TCRBV13 9	-0.005	0.003	0.010	0.005	
TCRBV13 10	0.001	-0.001	-0.008	-0.005	0.002
TCRBV13_11	0.001	0.002	0.003	-0.004	0.003
TCRBV13_12	0.001	0.000	0.000	0.000	0.001
TCRBV13 13	-0.000	-0.000	-0.000	0.000	-0.000
TCRBV14 5	0.000	0.000	0.000	-0.001	0.000
TCRBV14 6	-0.000	-0.001	0.001	-0.002	-0.000
TCRBV14_7	0.001	-0.001	-0.006	-0.000	0.006
TCRBV14 8	0.002	0.001	-0.004	-0.002	-0.001
TCRBV14_0	-0.003	-0.002	0.004	0.009	-0.001
TCRBV14_10	-0.000	0.001	0.004	-0.000	0.002
TCRBV14_10	0.000	0.001	0.001	-0.002	-0.007
TCRBV14_12	-0.000	0.001	0.000	-0.001	0.001
TCRBV14_13	-0.000	0.000	0.000	-0.000	0.000
TCRBV11_15	0.000	0.000	0.000	0.000	0.001
TCRBV15_5	-0.000	0.003	-0.004	0.004	-0.010
TCRBV15_6	-0.002	0.000	0.003	0.001	0.001
TCRBV15_0	-0.002	-0.001	0.007	0.002	-0.000
TCRBV15_7	0.002	-0.001	0.002	0.009	0.002
TCRBV15_8	0.007	0.002	-0.004	-0.006	0.001
TCRBV15_10	0.004	0.000	-0.003	-0.003	0.010
TCRBV15_10	0.002	-0.001	-0.001	-0.002	0.003
TCRBV15_12	0.000	-0.000	-0.002	-0.000	0.002
TCRBV16 5	-0.000	-0.000	0.002	-0.000	-0.000
TCRBV10_5	-0.004	-0.000	0.004	-0.000	-0.001
TCRBV16_7	-0.003	-0.007	-0.001	-0.012	-0.006
TCRBV16_8	0.003	0.007	-0.001	0.000	0.003
TCRBV16_9	0.018	-0.007	-0.003	0.001	0.000
_	0.005	0.014	0.004	0.007	0.009
TCRBV16_10	0.001	0.011	0.007	0.004	-0.019
TCRBV16_11	0.003	-0.007	-0.004	0.017	0.008
TCRBV16_12	-0.000	0.000	-0.000	0.001	-0.000
TCRBV16_13	0.000	-0.000	0.000	0.000	0.000
TCRBV18_3	0.001	-0.000	0.004	0.003	-0.002
TCRBV18_4		-0.001	0.008	0.003	-0.000
TCRBV18_5	0.000	-0.009	0.012	0.001	-0.001
TCRBV18_6	0.003	-0.008	0.021	-0.011	-0.004
TCRBV18_7	-0.003	-0.012	-0.003	-0.015	0.005
TCRBV18_8	0.001	0.002	-0.008	-0.008	0.012
TCRBV18_9	-0.005	0.002	-0.005	0.003	0.004
TCRBV18_10	-0.002 -0.003	0.002	-0.002	0.001	0.000
TCRBV18_11	-0.002	0.002			

TCRBV18 12	0.000	0.000	-0.000	0.001	0.000
TCRBV18 13	0.000	0.000	0.000	-0.000	0.000
TCRBV20 5	0.000	0.000	-0.000	-0.001	-0.001
TCRBV20_6	-0.000	-0.002	-0.003	-0.002	-0.001
TCRBV20 7	0.002	-0.003	0.002	0.002	-0.000
TCRBV20_7	0.005	0.001	-0.003	0.000	-0.007
TCRBV20_0	-0.004	-0.005	-0.000	-0.001	0.007
TCRBV20_5	0.003	0.002	0.000	0.004	0.009
TCRBV20_10	0.006	0.001	0.004	-0.000	0.007
TCRBV20_11	0.002	0.003	0.001	-0.003	0.002
TCRBV20_12	-0.002	0.004	-0.003	0.003	-0.007
_	0.002	0.000	0.000	0.000	0.000
TCRBV20_14	0.000	0.000	0.000		
	11	12	13	14	15
TCRBV01 6	-0.000	0.001	0.000	-0.000	0.001
TCRBV01 7	-0.003	0.001	0.002	0.002	-0.000
TCRBV01 8	-0.007	0.002	0.004	-0.001	-0.012
TCRBV01 9	0.001	-0.003	-0.016	-0.001	-0.007
TCRBV01 10	-0.005	0.005	0.024	-0.006	-0.001
TCRBV01 11	0.004	0.004	-0.004	0.011	0.008
TCRBV01 12	0.006	0.003	0.003	0.005	0.003
TCRBV01_13	0.000	0.000	0.000	0.001	0.001
TCRBV01 14	-0.000	0.000	0.000	-0.000	0.000
TCRBV02 6	0.001	-0.001	-0.001	0.000	-0.002
TCRBV02_7	0.001	-0.005	0.001	0.001	0.004
TCRBV02_8	-0.006	-0.001	-0.005	0.002	0.002
TCRBV02_9	-0.006	0.002	-0.004	0.001	-0.003
TCRBV02_10	-0.002	-0.000	-0.001	0.006	0.002
TCRBV02_10	0.003	-0.006	0.001	0.004	0.005
TCRBV02 12	0.001	-0.001	-0.002	0.003	0.003
TCRBV02_13	-0.000	0.000	0.001	-0.000	-0.001
TCRBV02_13	0.000	0.000	0.000	-0.000	-0.000
TCRBV03_5	0.000	0.001	0.000	-0.000	-0.000
TCRBV03_6	-0.001	0.004	0.004	0.000	-0.000
TCRBV03_7	0.003	0.005	0.003	-0.001	0.007
TCRBV03 8	-0.002	0.012	0.002	-0.010	0.009
TCRBV03_9	-0.004	0.012	0.005	0.000	-0.001
10.00100_5					
TCRBV03 10	0.000	-0.007	-0.001	-0.011	-0.006
TCRBV03 11	0.010	-0.009	-0.004	0.015	-0.007
TCRBV03 12	0.000	-0.001	-0.002	0.008	-0.002
TCRBV03_13	-0.012	-0.004	0.007	0.011	-0.005
TCRBV04 6	0.000	0.000	0.000	0.000	0.000
TCRBV04_7	0.001	-0.000	-0.001	0.001	0.002
TCRBV04 8	-0.001	-0.001	-0.003	0.004	0.001
TCRBV04 9	-0.006	-0.005	-0.007	0.002	0.009
TCRBV04 10	-0.002	-0.000	0.003	0.007	-0.002
TCRBV04 11	0.007	0.004	0.003	0.008	-0.004
TCRBV04 12	0.005	0.003	0.003	0.003	-0.005
TCRBV04 13	-0.002	0.002	0.009	-0.021	0.009
TCRBV04 14	-0.002	-0.004	-0.005	-0.003	-0.010
TCRBV04 15	0.001	0.001	-0.001	-0.000	-0.000
TCRBV051 5	0.000	0.000	-0.001	0.000	-0.000
TCRBV051 6	0.005	0.002	-0.001	0.001	-0.002
TCRBV051_7	0.001	-0.006	-0.002	0.005	0.001
TCRBV051 8	0.005	-0.004	0.009	0.000	0.011
TCRBV051 9	0.004	-0.007	0.010	0.010	0.001
TCRBV051_10	0.006	-0.015	-0.002	0.001	-0.004
TCRBV051 11	0.007	0.005	-0.005	0.002	0.011
TCRBV051 12	-0.001	-0.006	-0.002	-0.002	-0.005
TCRBV051 13	-0.000	0.000	-0.001	0.000	-0.000
TCRBV052 6	-0.000	0.000	-0.002	0.001	-0.001
TCRBV052_7	0.004	-0.003	-0.004	0.006	-0.005
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FIG. 109D

TCRBV052 8	0.013	0.001	0.003	0.003	-0.008
TCRBV052_9	-0.006	-0.008	-0.014	0.014	0.012
	0.014	-0.010	0.008	0.002	-0.001
TCRBV052_10	0.004	-0.008	0.010	-0.005	0.012
TCRBV052_11	0.000	-0.002	0.005	-0.003	0.004
TCRBV052_12		-0.000	-0.001	-0.000	-0.001
TCRBV052_13	-0.000		-0.000	0.000	0.000
TCRBV06_5	0.000	-0.000	-0.003	0.002	0.001
TCRBV06_6	0.004	0.004		-0.002	0.003
TCRBV06_7	0.002	0.002	-0.002	0.002	0.000
TCRBV06 8	0.001	-0.002	-0.000		-0.010
TCRBV06_9	-0.003	0.013	-0.003	0.002	
TCRBV06 10	-0.004	0.002	0.006	0.006	-0.003
TCRBV06_11	-0.003	-0.006	0.006	-0.002	0.003
TCRBV06 12	-0.001	-0.002	0.009	0.004	0.002
TCRBV06_13	-0.001	0.000	0.001	-0.000	-0.002
	0.000	-0.000	0.000	0.000	-0.000
TCRBV07_5	-0.000	0.003	-0.001	0.009	-0.003
TCRBV07_6	0.000	0.011	-0.011	0.013	-0.017
TCRBV07_7		0.003	0.005	0.006	0.001
TCRBV07_8	0.003	-0.006	0.017	0.008	0.008
TCRBV07_9	0.017		0.002	-0.013	0.003
TCRBV07_10	-0.012	-0.010	-0.003	-0.008	-0.000
TCRBV07_11	-0.007	0.006	0.004	-0.005	0.001
TCRBV07_12	-0.006	0.003		-0.000	-0.000
TCRBV07_13	-0.001	0.001	0.000	0.000	-0.000
TCRBV081_5	0.001	0.001	-0.000		-0.001
TCRBV081_6	0.001	-0.000	-0.006	0.004	
TCRBV081 7	-0.004	-0.003	-0.009	0.003	-0.005
TCRBV081 8	0.002	0.005	-0.005	0.004	-0.007
TCRBV081 9	0.014	-0.013	0.016	-0.011	-0.018
TCRBV081_10	-0.008	0.009	0.001	0.001	0.013
TCRBV081_11	-0.004	0.003	-0.000	0.000	0.012
TCRBV081_12	-0.001	-0.001	0.003	-0.001	0.006
	0.002	0.001	-0.002	-0.001	0.000
TCRBV082_4	0.005	0.001	-0.004	0.001	0.003
TCRBV082_5	0.002	0.002	-0.002	0.002	0.001
TCRBV082_6	0.007	0.004	-0.007	-0.000	0.002
TCRBV082_7		0.003	0.004	0.002	-0.001
TCRBV082_8	-0.005	-0.006	0.006	-0.002	-0.006
TCRBV082_9	-0.006	-0.002	0.005	-0.001	0.000
TCRBV082_10	-0.003	-0.002	-0.001	-0.001	0.001
TCRBV082_11	-0.001		0.000	0.001	-0.000
TCRBV083_4	-0.001	-0.000	0.002	-0.001	0.000
TCRBV083_5	-0.001	-0.000	-0.000	0.003	-0.002
TCRBV083_6	0.001	-0.000	-0.004	-0.004	-0.003
TCRBV083_7	-0.005	-0.011	-0.002	-0.003	0.004
TCRBV083_8	-0.002	-0.005	0.006	0.006	0.002
TCRBV083_9	0.003	0.008		0.005	-0.003
TCRBV083_10	0.002	0.005	0.005	-0.003	0.003
TCRBV083_11	0.003	0.005	-0.007	-0.004	-0.001
TCRBV083_12	-0.001	-0.002	0.001	0.000	-0.001
TCRBV09 5	0.001	0.001	-0.000		
TCRBV09 6	-0.001	0.001	0.001	0.001	-0.001
TCRBV09 7	-0.003	-0.003	0.002	0.001	-0.001
TCRBV09_8	0.012	0.007	-0.026	-0.001	-0.001
TCRBV09 9	-0.021	-0.014	0.010	0.016	-0.004
_	0.009	-0.002	0.013	0.013	-0.006
TCRBV09_10 TCRBV09_11	-0.007	-0.002	-0.002	0.011	0.011
· ·	0.003	-0.002	0.003	-0.008	-0.001
TCRBV09_12	0.001	0.001	-0.001	-0.002	0.000
TCRBV09_13	0.001	0.001	-0.001	-0.000	0.000
TCRBV09_14		0.000	-0.000	-0.000	0.000
TCRBV09_15	0.000	0.002	-0.004	0.005	0.001
TCRBV10_6	-0.000	0.002	-0.002	0.001	-0.001
TCRBV10_7	-0.005		-0.002	0.004	-0.002
TCRBV10_8	0.002	0.001	-0.003	0.001	0.008
TCRBV10_9	-0.010	-0.011	-0.005		

FIG. 110A

TCRBV10 10	0.008	0.003	0.002	-0.011	0.005
TCRBV10 11	0.004	0.007	0.002	-0.000	-0.012
	0.001		0.005	-0.000	0.002
TCRBV10_12		-0.001			
TCRBV10_13	0.000	0.000	0.000	-0.000	-0.000
TCRBV11_5	-0.001	-0.000	0.000	0.002	0.001
TCRBV11 6	0.002	-0.002	0.003	0.001	0.002
TCRBV11 7	~0.005	-0.004	-0.003	0.001	-0.004
			-0.003	0.005	-0.002
TCRBV11_8	-0.003	-0.001			
TCRBV11_9	-0.003	0.000	0.001	-0.013	0.007
TCRBV11 10	0.003	0.006	0.002	0.005	-0.004
TCRBV11 11	-0.000	0.005	0.007	0.005	0.001
TCRBV11 12	0.001	0.004	0.003	0.007	-0.006
_			0.002	-0.001	-0.001
TCRBV11_13	0.000	0.003			
. TCRBV11_14	0.001	0.001	0.001	-0.001	-0.000
TCRBV11 15	0.000	0.000	0.000	-0.000	-0.000
TCRBV12 4	-0.000	0.000	-0.000	-0.002	0.001
TCRBV12_5	-0.010	-0.001	-0.000	0.003	0.003
_			-0.000	-0.012	0.009
TCRBV12_6	-0.007	-0.009			
TCRBV12_7	-0.005	-0.006	0.000	0.005	0.001
TCRBV12 8	-0.001	-0.004	0.003	0.005	-0.007
TCRBV12 9	0.005	0.006	-0.003	0.004	0.004
TCRBV12 10	0.014	0.012	0.006	-0.003	-0.009
		0.002	-0.003	-0.000	-0.004
TCRBV12_11	0.002				
TCRBV12_12	0.001	0.000	-0.002	0.000	0.001
TCRBV13_5	0.000	0.001	0.000	-0.000	-0.001
TCRBV13 6	-0.003	0.001	-0.002	-0.003	-0.016
TCRBV13_7	-0.004	0.008	0.004	0.005	-0.004
		0.007	0.008	0.009	-0.002
TCRBV13_8	-0.005				
TCRBV13_9	-0.007	0.005	-0.003	-0.014	0.003
TCRBV13_10	0.011	-0.016	-0.005	-0.005	0.012
TCRBV13 11	0.007	-0.003	-0.007	0.007	0.008
TCRBV13 12	0.002	-0.002	0.002	0.002	0.000
	0.000	-0.001	0.002	-0.000	-0.001
TCRBV13_13				0.001	0.000
TCRBV14_5	-0.000	-0.000	-0.002		
TCRBV14_6	0.000	-0.003	0.001	-0.004	0.000
TCRBV14_7	-0.001	-0.002	-0.001	0.007	0.001
TCRBV14 8	-0.002	0.004	0.006	0.008	-0.007
TCRBV14 9	0.004	-0.003	-0.008	-0.004	0.001
—	-0.002	-0.005	0.002	-0.005	0.003
TCRBV14_10					
TCRBV14_11	0.002	0.006	0.000	0.000	0.001
TCRBV14_12	0.001	0.002	0.001	-0.002	0.001
TCRBV14 13	-0.000	0.001	0.000	-0.001	-0.000
TCRBV15 4	0.000	-0.000	0.001	0.000	0.000
TCRBV15 5	-0.009	0.004	0.001	0.015	0.009
			0.001	-0.002	-0.004
TCRBV15_6	0.000	0.005			
TCRBV15_7	0.007	-0.002	-0.002	0.005	-0.005
TCRBV15_8	0.009	-0.000	-0.007	-0.004	-0.002
TCRBV15 9	-0.007	-0.012	0.003	-0.013	-0.017
TCRBV15 10	-0.001	0.011	0.010	0.007	0.008
-		0.005	0.005	0.003	0.003
TCRBV15_11	-0.002				0.002
TCRBV15_12	-0.001	- 0.001	0.001	0.001	
TCRBV16 5	-0.000	0.000	0.000	0.001	-0.001
TCRBV16 6	-0.004	0.001	-0.000	0.010	0.005
TCRBV16 7	0.007	0.003	0.014	-0.008	0.001
	-0.001	-0.007	0.003	0.004	-0.009
TCRBV16_8					
TCRBV16_9	-0.003	-0.010	-0.013	0.002	-0.009
TCRBV16_10	0.006	-0.009	0.012	0.011	0.012
TCRBV16 11	0.017	-0.005	-0.011	0.007	0.013
-	0.002	0.010	0.013	0.002	-0.006
TCRBV16_12			0.001	-0.001	-0.000
TCRBV16_13	-0.000	-0.000			
TCRBV18_3	0.000	-0.000	0.000	-0.000	0.000
TCRBV18 4	0.002	-0.000	0.002	0.002	0.002
TCRBV18 5	0.003	-0.002	0.003	0.002	0.004
	0.006	-0.002	0.007	0.010	0.014
TCRBV18_6	0.000		 -		

mannii o a	0.004	0.008	0.003	-0.004	-0.001
TCRBV18_7	-0.004			-0.009	0.025
TCRBV18_8	0.002	-0.001	-0.005		
TCRBV18 9	0.004	0.002	-0.009	-0.001	0.005
TCRBV18 10	0.002	-0.002	-0.002	-0.002	0.008
TCRBV18 11	-0.006	0.006	-0.000	-0.001	0.001
-			0.000	-0.002	0.000
TCRBV18_12	-0.000	0.001			0.000
TCRBV18 13	0.000	0.000	-0.000	-0.000	
TCRBV20_5	-0.001	-0.002	-0.000	-0.001	0.001
TCRBV20 6	-0.001	0.000	0.002	0.001	0.001
_	0.003	0.005	-0.002	-0.000	-0.004
TCRBV20_7			-0.004	-0.001	-0.005
TCRBV20_8	-0.005	0.012			
TCRBV20 9	0.004	0.011	-0.000	-0.013	0.001
TCRBV20 10	0.006	0.003	0.009	0.000	0.010
TCRBV20 11	0.000	-0.015	0.000	0.003	-0.016
		-0.005	0.007	0.006	-0.005
TCRBV20_12	0.003			0.016	0.011
TCRBV20_13	-0.015	0.004	0.000		
TCRBV20_14	0.000	-0.000	0.001	0.000	0.000
	16	17	18	19	20
TCRBV01 6	0.001	-0.001	0.001	0.000	-0.001
TCRBV01 7	-0.000	-0.007	0.006	0.004	-0.005
_	-0.008	-0.004	0.005	0.005	0.002
TCRBV01_8			0.012	0.014	0.011
TCRBV01_9	0.006	-0.015		-0.004	-0.003
TCRBV01_10	0.010	0.019	-0.001		
TCRBV01 11	-0.003	0.004	0.001	-0.008	-0.003
TCRBV01 12	-0.003	-0.000	-0.009	-0.009	0.001
TCRBV01 13	0.001	0.003	-0.003	-0.004	0.002
-	0.000	0.000	-0.000	-0.000	0.001
TCRBV01_14			0.001	0.001	-0.004
TCRBV02_6	0.001	-0.004		-0.004	0.004
TCRBV02_7	0.001	-0.001	-0.000		
TCRBV02 8	0.007	-0.005	0.008	-0.008	0.003
TCRBV02 9	0.007	-0.005	0.001	-0.026	-0.001
TCRBV02_10	0.004	-0.003	0.010	-0.020	0.011
TCRBV02_10	0.004	-0.001	0.001	-0.008	0.007
	0.000	-0.001	-0.002	0.001	0.009
TCRBV02_12			-0.001	-0.001	0.000
TCRBV02_13	-0.001	0.000		0.002	-0.001
TCRBV03_4	-0.001	0.000	-0.000		
TCRBV03_5	0.000	0.001	-0.000	0.002	-0.001
TCRBV03 6	-0.000	-0.008	0.006	0.002	0.007
TCRBV03 7	-0.002	-0.008	0.000	0.005	0.004
TCRBV03 8	-0.010	-0.005	-0.003	-0.001	-0.002
_	0.005	0.003	0.010	-0.002	-0.003
TCRBV03_9			-0.013	-0.019	-0.006
TCRBV03_10	0.009	0.006		0.006	0.008
TCRBV03_11	-0.005	0.005	0.008		
TCRBV03_12	-0.000	0.005	0.003	-0.013	-0.001
TCRBV03 13	0.006	-0.000	0.001	0.016	0.002
TCRBV04 6	-0.000	-0.000	0.000	0.000	-0.000
TCRBV04 7	0.001	-0.000	-0.002	-0.000	0.007
		0.005	-0.001	0.003	0.007
TCRBV04_8	0.004			0.008	0.008
TCRBV04_9	0.013	0.005	-0.005		0.006
TCRBV04_10	0.011	0.014	-0.015	0.005	
TCRBV04 11	-0.007	-0.022	0.003	-0.003	-0.014
TCRBV04 12	0.002	-0.009	0.008	-0.000	-0.012
TCRBV04 13	-0.015	0.007	0.007	-0.010	-0.012
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TCRBV04 14	-0.009	0.000	0.002	-0.003	0.010
TCRBV04_15	0.001	-0.000	0.003	-0.000	0.001
 -		0.001	0.000	0.000	-0.000
TCRBV051_5	0.000		-0.002	0.003	-0.004
TCRBV051_6	-0.001	0.003		0.005	-0.024
TCRBV051_7	0.004	0.005	-0.002		
TCRBV051_8	-0.005	-0.014	-0.009	0.002	0.001
TCRBV051 9	0.004	0.021	-0.012	0.003	0.006
TCRBV051 10	0.011	0.002	-0.005	0.014	0.006
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TCRBV051 11	0.001	-0.013	-0.014	-0.004	0.006
TCRBV051_11	-0.002	-0.003	0.004	0.004	0.011
TCRBV051_12	0.001	0.000	0.001	0.000	0.001
 -	-0.000	-0.001	0.000	0.003	-0.004
TCRBV052_6	0.004	0.004	0.004	0.003	-0.012
TCRBV052_7	0.010	0.002	-0.029	0.013	0.016
TCRBV052_8		0.002	-0.007	-0.006	-0.017
TCRBV052_9	0.003	0.021	0.002	0.009	0.005
TCRBV052_10	0.003		-0.002	0.004	0.010
TCRBV052_11	-0.001	-0.021	-0.007	0.001	0.007
TCRBV052_12	-0.006	-0.005		0.001	-0.001
TCRBV052_13	0.000	-0.001	0.000	0.000	0.000
TCRBV06_5	0.000	0.000	-0.000		0.003
TCRBV06_6	0.002	-0.003	-0.002	0.001	
TCRBV06_7	-0.001	-0.002	0.001	0.001	-0.002
TCRBV06 8	0.008	-0.008	0.004	0.019	0.002
TCRBV06 9	0.001	0.005	-0.011	-0.000	0.002
TCRBV06 10	0.006	0.001	-0.000	-0.003	-0.005
TCRBV06 11	-0.012	0.005	0.017	-0.008	-0.000
TCRBV06 12	-0.002	0.004	0.001	-0.009	0.007
TCRBV06 13	0.001	-0.003	0.002	-0.003	-0.002
TCRBV07 5	0.000	-0.000	0.000	0.000	-0.000
TCRBV07 6	-0.002	0.002	-0.003	0.001	-0.004
TCRBV07 7	-0.005	-0.000	-0.009	-0.005	-0.012
TCRBV07_8	-0.005	0.005	0.000	-0.003	-0.008
TCRBV07 9	-0.016	0.006	0.013	0.007	0.007
TCRBV07_10	0.017	-0.003	0.001	0.002	-0.000
TCRBV07_11	0.004	-0.009	0.006	-0.003	0.016
TCRBV07_12	0.009	-0.001	0.001	-0.001	0.008
TCRBV07_12	0.001	-0.000	0.001	-0.000	-0.000
TCRBV081_5	0.000	0.001	-0.001	0.000	0.000
TCRBV081 6	-0.004	0.003	0.002	0.000	-0.004
TCRBV081 7	-0.004	0.006	-0.000	0.005	-0.007
TCRBV081 8	-0.014	0.001	-0.005	0.001	-0.008
TCRBV081 9	0.001	0.004	0.006	-0.012	0.009
TCRBV081 10	0.017	-0.016	-0.004	-0.002	0.008
TCRBV081 11	0.003	-0.001	0.001	0.006	-0.000
TCRBV081 12	0.002	0.002	0.000	0.002	0.001
TCRBV082 4	0.000	0.001	0.003	0.002	0.002
TCRBV082 5	0.004	0.003	0.005	0.002	0.000
TCRBV082 6	0.001	0.005	0.003	-0.003	0.004
TCRBV082 7	0.005	0.006	0.008	-0.011	0.008
TCRBV082 8	0.002	-0.007	-0.003	0.002	0.000
TCRBV082_9	-0.006	-0.006	-0.007	0.002	-0.006
TCRBV082_10	-0.004	-0.004	-0.006	0.004	-0.007
TCRBV082 11	-0.001	0.002	-0.002	0.001	-0.002
TCRBV083 4	0.000	-0.000	0.000	0.001	0.000
TCRBV083 5	0.001	-0.000	-0.001	-0.001	0.001
TCRBV083 6	-0.001	-0.002	0.004	-0.002	-0.000
TCRBV083 7	0.012	-0.002	0.004	0.004	0.001
TCRBV083 8	0.010	0.004	0.004	0.004	-0.015
TCRBV083 9	-0.009	-0.003	-0.001	0.004	0.012
TCRBV083 10	-0.002	0.001	0.002	0.006	0.003
TCRBV083_11	-0.010	0.001	-0.004	-0.012	-0.001
TCRBV083 12	-0.002	0.001	-0.008	-0.004	-0.000
TCRBV09 5	-0.000	-0.000	-0.001	-0.000	-0.000
TCRBV09 6	-0.000	-0.000	0.002	-0.002	-0.003
TCRBV09 7	-0.002	0.000	0.006	-0.006	-0.006
TCRBV09 8	0.006	0.003	0.009	-0.013	0.019
TCRBV09 9	0.000	-0.011	0.009	-0.001	-0.020
TCRBV09 10	0.001	-0.017	-0.003	-0.019	-0.005
TCRBV09 11	0.001	0.001	0.023	0.002	0.001
TCRBV09 12	0.000	-0.003	0.008	-0.004	0.001
TCRBV09 13	0.003	0.001	0.002	-0.001	0.000
TCRBV09 14	0.002	0.001	0.001	0.000	0.001
_					

				-0.000	0.000
TCRBV09 15	0.000	0.001	0.000	-0.006	-0.005
TCRBV10_6	-0.000	0.000	0.001	-0.018	-0.006
TCRBV10_7	0.002	-0.004	-0.008	-0.018	0.004
TCRBV10 8	0.010	-0.006	-0.005	0.010	0.003
TCRBV10 9	0.001	-0.006	0.003	0.004	0.012
TCRBV10 10	-0.006	0.002	0.007	0.017	-0.007
TCRBV10 11	-0.002	0.009	0.001	0.004	-0.000
TCRBV10 12	-0.005	0.005	0.001	0.001	-0.000
TCRBV10 13	-0.000	0.000	-0.000	-0.000	0.001
TCRBV11_5	-0.001	0.001	-0.000	0.001	0.002
TCRBV11_6	-0.003	-0.007	0.005 0.005	-0.001	0.004
TCRBV11_7	-0.001	-0.007	0.003	-0.005	-0.000
TCRBV11_8	-0.000	-0.007	-0.001	0.000	-0.001
TCRBV11_9	0.008	0.001	-0.001	-0.003	0.006
TCRBV11_10	0.003	0.003	0.001	-0.004	0.003
TCRBV11_11	0.001	0.007	0.002	0.002	-0.002
TCRBV11_12	0.000	0.004 0.003	0.001	0.004	-0.004
TCRBV11_13	-0.002	0.003	-0.001	0.004	-0.002
TCRBV11_14	-0.001	0.000	-0.000	0.001	-0.001
TCRBV11_15	-0.000	0.001	-0.002	-0.002	-0.002
TCRBV12_4	-0.002	0.002	-0.005	-0.002	-0.005
TCRBV12_5	-0.009	0.006	-0.006	0.001	-0.004
TCRBV12_6	0.005 -0.011	0.003	-0.009	0.001	0.017
TCRBV12_7	0.010	-0.007	-0.001	-0.007	0.001
TCRBV12_8	-0.001	0.000	0.010	-0.000	-0.013
TCRBV12_9	0.002	-0.003	0.003	-0.002	0.002
TCRBV12_10	0.005	0.000	0.007	0.006	0.001
TCRBV12_11 TCRBV12 12	0.001	-0.001	0.003	0.006	0.002
TCRBV12_12	-0.001	0.001	-0.001	0.003	-0.002
TCRBV13_6	0.002	-0.001	0.003	0.010	-0.000
TCRBV13_7	0.003	-0.006	0.003	-0.004	0.020
TCRBV13 8	-0.002	-0.003	0.005	0.009	0.009 0.001
TCRBV13 9	-0.001	0.002	-0.008	0.003	-0.015
TCRBV13 10	0.005	0.006	0.002	0.005 -0.018	-0.013
TCRBV13 11	-0.005	0.000	-0.001	-0.018	-0.002
TCRBV13 12	0.001	0.003	-0.003	0.000	0.001
TCRBV13_13	-0.001	-0.001	0.001 0.001	-0.002	-0.000
TCRBV14_5	-0.002	-0.000	-0.001	-0.002	-0.008
TCRBV14_6	0.006	-0.000	0.008	0.005	0.001
TCRBV14_7	-0.005	-0.003	-0.001	-0.003	-0.008
TCRBV14_8	0.002	-0.004 0.000	-0.003	-0.000	0.017
TCRBV14_9	0.016	0.006	-0.004	-0.004	-0.007
TCRBV14_10	-0.008 -0.007	0.001	0.003	0.004	0.007
TCRBV14_11	-0.007	-0.001	-0.002	0.001	-0.001
TCRBV14_12	-0.001	0.000	0.000	0.001	-0.001
TCRBV14_13	-0.001	0.000	-0.000	-0.000	0.000
TCRBV15_4	-0.012	0.006	-0.005	0.005	0.018
TCRBV15_5 TCRBV15_6	-0.002	-0.006	0.001	0.001	-0.007
TCRBV15_7	-0.002	0.009	0.005	0.008	-0.010
TCRBV15_7	0.004	-0.006	-0.002	-0.004	-0.022 0.021
TCRBV15_0	-0.013	0.001	0.007	-0.010	0.001
TCRBV15_10	0.019	0.005	0.002	-0.005	0.003
TCRBV15_11	0.008	0.006	0.001	-0.000 0.003	0.003
TCRBV15_12	0.003	0.001	0.003	0.003	-0.001
TCRBV16_5	0.001	-0.000	0.002	0.007	0.010
TCRBV16 6	-0.002	-0.001	-0.003	0.006	-0.001
TCRBV16_7	-0.000	0.007	0.003 -0.004	-0.007	0.005
TCRBV16_8	0.001	0.014	-0.004	0.003	0.004
TCRBV16_9	-0.018	-0.012	-0.005	0.001	-0.005
TCRBV16_10	0.013	-0.013	0.001	-0.003	0.005
TCRBV16_11	0.015	0.005 0.003	-0.017	0.018	-0.007
TCRBV16_12	0.006	, 0.003	3 • ·		

TCRBV16 13	0.000	-0.002	-0.001	-0.001	-0.001
TCRBV18 3	0.000	0.000	0.000	0.000	0.000
TCRBV18 4	-0.003	0.001	0.009	-0.005	-0.001
TCRBV18 5	-0.001	0.004	0.018	-0.006	-0.001
TCRBV18_6	0.001	0.006	0.031	0.006	0.006
TCRBV18_0	0.001	0.019	0.003	-0.015	0.010
_	-0.019	-0.003	-0.010	0.005	0.008
TCRBV18_8	-0.023	0.006	-0.004	0.016	-0.004
TCRBV18_9	-0.008	0.011	-0.011	0.011	-0.010
TCRBV18_10	-0.003	0.008	-0.003	0.004	-0.002
TCRBV18_11	-0.002	0.001	-0.001	0.001	-0.001
TCRBV18_12		0.001	0.000	0.000	0.000
TCRBV18_13	0.000	0.001	0.001	0.000	-0.002
TCRBV20_5	0.001		0.001	0.004	-0.002
TCRBV20_6	0.002	-0.007	-0.001	0.009	-0.003
TCRBV20_7	0.009	-0.006		0.019	-0.003
TCRBV20_8	0.007	0.001	0.012	0.003	-0.009
TCRBV20_9	0.007	0.008	0.022	-0.017	-0.009
TCRBV20_10	-0.005	-0.018	-0.016		
TCRBV20_11	-0.007	0.004	-0.005	-0.008	0.012 0.002
TCRBV20_12	0.001	0.006	-0.001	-0.006	
TCRBV20_13	-0.012	0.009	-0.002	-0.006	0.015
TCRBV20_14	-0.000	0.000	-0.000	-0.000	0.000
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	21	22	23	24	25
TCRBV01_6	0.002	0.001	0.001	0.000	0.004
TCRBV01 7	-0.000	0.003	0.001	0.013	-0.004
TCRBV01 8	-0.006	0.008	-0.007	0.009	0.013
TCRBV01 9	0.009	-0.012	-0.017	0.007	0.004
TCRBV01 10	0.019	0.017	-0.004	-0.026	-0.018
TCRBV01 11	0.002	-0.012	0.009	0.008	0.001
TCRBV01 12	-0.007	-0.002	0.015	0.013	0.002
TCRBV01 13	-0.000	-0.002	0.005	-0.001	0.003
TCRBV01 14	0.000	-0.000	0.000	-0.000	-0.000
TCRBV02 6	-0.002	-0.002	-0.001	-0.003	-0.001
TCRBV02_7	-0.003	-0.008	0.008	-0.003	0.004
TCRBV02 8	-0.008	-0.002	0.005	-0.008	0.002
TCRBV02 9	-0.010	-0.020	0.015	-0.009	-0.004
TCRBV02 10	-0.003	-0.004	0.011	-0.021	-0.001
TCRBV02_10	-0.007	0.003	0.005	-0.007	-0.008
TCRBV02_11	-0.002	0.003	0.003	-0.004	-0.003
TCRBV02_12	-0.001	0.001	-0.001	-0.001	0.002
TCRBV02_13	0.001	0.001	-0.001	0.001	0.000
TCRBV03_4	0.003	0.001	-0.001	0.002	0.001
TCRBV03_5	0.009	0.007	0.008	0.001	0.008
TCRBV03_0	0.004	0.002	0.014	-0.002	-0.001
	0.006	0.002	0.012	-0.005	0.011
TCRBV03_8	0.012	-0.002	-0.004	0.006	-0.003
TCRBV03_9	-0.023	-0.008	-0.022	0.011	0.009
TCRBV03_10		0.001	-0.002	0.004	-0.022
TCRBV03_11	0.002	0.001	-0.012	-0.006	-0.006
TCRBV03_12	0.008		0.012	0.010	0.006
TCRBV03_13	-0.002	-0.002	0.000	-0.001	-0.001
TCRBV04_6	-0.000	0.000		0.007	-0.001
TCRBV04_7	0.001	0.001	0.001		
TCRBV04_8	0.002	0.002	0.006	0.007	0.002 0.007
TCRBV04_9	-0.004	-0.006	0.004	0.016	
TCRBV04_10	0.001	0.003	-0.003	-0.021	0.012
TCRBV04_11	0.008	0.001	-0.005	-0.017	-0.013
TCRBV04_12	0.010	-0.000	0.003	0.003	-0.007
TCRBV04_13	-0.017	-0.005	-0.006	0.004	-0.008
TCRBV04_14	0.001	0.002	-0.001	-0.001	0.010
TCRBV04_15	-0.002	0.003	-0.001	0.002	-0.001
TCRBV051_5	-0.002	0.001	0.002	0.003	-0.001
TCRBV051_6	-0.009	0.000	0.015	-0.006	-0.018
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TCRBV051 7	-0.002	0.008	0.012	-0.012	-0.026
TCRBV051 8	0.016	0.007	-0.001	0.021	0.002
TCRBV051_9	-0.022	-0.018	0.001	-0.000	-0.000
TCRBV051 10	0.008	0.006	-0.002	-0.018	0.013
TCRBV051_10	0.006	0.004	-0.030	-0.001	0.004
_	0.003	0.002	-0.006	0.004	0.010
TCRBV051_12	-0.001	0.002	-0.001	0.004	0.000
TCRBV051_13	-0.002	0.000	0.001	-0.005	-0.001
TCRBV052_6	-0.002	0.000	0.00-		
mann***** 7	0.005	0.008	0.000	0.001	0.012
TCRBV052_7	-0.009	0.013	0.002	0.020	-0.019
TCRBV052_8	0.009	0.003	-0.008	0.003	0.009
TCRBV052_9		-0.009	0.002	-0.015	-0.007
TCRBV052_10	0.010	-0.009	-0.007	-0.003	-0.004
TCRBV052_11	-0.006	0.002	-0.002	-0.010	-0.006
TCRBV052_12	-0.006	0.000	0.001	-0.003	-0.001
TCRBV052_13	-0.002		-0.001	-0.001	0.002
TCRBV06_5	0.000	0.000 -0.001	0.004	0.009	-0.009
TCRBV06_6	0.004		0.004	0.001	-0.003
TCRBV06_7	0.006	0.011	0.001	0.003	0.007
TCRBV06_8	0.003	0.006	-0.003	-0.000	-0.010
TCRBV06_9	0.016	-0.005	0.001	0.005	0.001
TCRBV06_10	-0.009	-0.001	0.001	0.002	0.021
TCRBV06_11	-0.002	-0.008	-0.013	0.002	-0.006
TCRBV06_12	0.001	-0.003	-0.003	-0.002	0.001
TCRBV06_13	-0.000	0.002	0.000	0.000	-0.001
TCRBV07_5	0.000	-0.000	0.008	-0.001	-0.001
TCRBV07_6	0.003	-0.005		0.003	-0.007
TCRBV07_7	-0.005	-0.018	0.010 -0.010	0.003	-0.001
TCRBV07_8	-0.008	0.009		-0.013	0.028
TCRBV07_9	0.000	-0.004	0.003	0.030	-0.013
TCRBV07_10	0.006	0.009	-0.010	0.003	0.003
TCRBV07_11	0.010	0.005	0.012	-0.003	-0.005
TCRBV07_12	0.010	0.003	-0.011	0.002	0.002
TCRBV07_13	0.003	-0.001	0.002	-0.001	-0.002
TCRBV081_5	-0.002	0.000	0.003	-0.001	0.002
TCRBV081_6	-0.004	0.005	-0.003	0.008	-0.006
TCRBV081_7	-0.001	0.003	-0.005	0.001	-0010
TCRBV081_8	-0.005	0.001	0.005 -0.022	0.019	0.003
TCRBV081_9	0.017	-0.033	0.013	-0.015	0.016
TCRBV081_10	0.001	0.016	0.007	-0.009	-0.002
TCRBV081_11	-0.004	0.007	0.003	-0.002	-0.002
TCRBV081_12	-0.001	-0.000	0.002	-0.001	0.002
TCRBV082_4	-0.007	0.006	0.003	0.007	0.008
TCRBV082_5	-0.002	0.010	0.001	0.003	0.005
TCRBV082_6	-0.003	0.014 0.014	0.002	0.009	0.009
TCRBV082_7	0.001	-0.027	-0.012	-0.005	-0.016
TCRBV082_8	-0.010	-0.011	-0.002	-0.003	-0.007
TCRBV082_9	0.011	-0.009	-0.001	-0.009	-0.001
TCRBV082_10	0.007	0.003	0.006	-0.000	0.000
TCRBV082_11	0.003	-0.000	0.001	0.001	0.001
TCRBV083_4	-0.000	-0.000	-0.001	0.001	0.001
TCRBV083_5	-0.000	-0.000	-0.001	0.002	-0.001
TCRBV083_6	-0.004		-0.000	0.005	-0.004
TCRBV083_7	-0.004	0.005	-0.006	0.003	-0.006
TCRBV083_8	-0.007	0.004 -0.005	0.006	-0.002	0.010
TCRBV083_9	-0.011		0.003	-0.013	0.006
TCRBV083_10	0.004	0.001 -0.004	-0.006	0.002	-0.011
TCRBV083_11	0.017		0.004	0.001	0.004
TCRBV083_12	0.005	-0.001	0.004	0.001	-0.004
TCRBV09_5	-0.002	-0.000	0.002	-0'.007	0.003
TCRBV09_6	-0.002	0.004	0.008	-0.010	-0.006
TCRBV09_7	0.002	0.011	-0.012	-0.038	0.003
TCRBV09_8	-0.012	-0.003	0.009	-0.010	0.030
TCRBV09_9	-0.012	-0.003	0.002		

FIG. 111C

TCRBV09 10	-0.006	0.005	0.008	-0.003	-0.010
TCRBV09 11	0.005	-0.023	-0.020	-0.009	0.010
TCRBV09 12	0.001	0.006	0.014	0.027	0.005
TCRBV09_13	0.001	0.006	0.008	0.015	-0.001
TCRBV09_13	0.002	0.003	0.002	0.008	0.002
TCRBV09_14	0.002	-0.000	0.000	0.001	-0.001
-	0.008	0.005	-0.006	-0.006	-0.002
TCRBV10_6		·		0.001	0.014
TCRBV10_7	0.009	0.005	-0.009	-0.001	0.014
TCRBV10_8	0.003	-0.006	-0.005		
TCRBV10_9	0.000	-0.012	0.014	0.005	-0.023
TCRBV10_10	-0.005	-0.007	0.005	-0.002	-0.010
TCRBV10_11	-0.011	0.008	0.001	0.006	0.008
TCRBV10_12	-0.006	0.007	0.001	-0.003	-0.005
TCRBV10_13	0.000	0.000	-0.001	0.001	0.000
TCRBV11_5	-0.001	0.001	-0.003	0.002	-0.002
TCRBV11_6	-0.011	0.000	-0.005	0.005	0.001
TCRBV11_7	-0.006	0.003	0.002	0.004	0.001
TCRBV11_8	0.002	-0.000	-0.005	-0.012	-0.008
TCRBV11_9	-0.011	0.008	-0.003	-0.020	-0.018
TCRBV11_10	0.011	-0.012	0.012	0.013	-0.006
TCRBV11 11	0.018	0.003	0.007	0.004	0.013
TCRBV11 12	0.008	-0.007	0.004	0.015	0.014
TCRBV11 13	0.007	0.002	-0.001	0.007	0.008
TCRBV11 14	0.002	0.002	-0.003	0.003	0.000
TCRBV11 15	0.001	0.001	-0.001	0.001	0.000
TCRBV12 4	0.000	0.001	0.002	-0.001	-0.002
TCRBV12 5	0.012	-0.007	0.014	-0.001	-0.002
TCRBV12 6	-0.001	-0.010	0.006	0.002	-0.011
TCRBV12_7	-0.003	-0.018	0.009	-0.002	-0.020
TCRBV12_7	0.001	-0.015	0.002	-0.008	-0.001
TCRBV12_8	0.001	0.012	-0.012	0.016	0.004
—			-0.001	-0.011	0.011
TCRBV12_10	-0.023	0.013	-0.021	0.005	0.016
TCRBV12_11	0.006	0.011			
TCRBV12_12	0.005	0.003	0.001	0.000	0.004
TCRBV13_5	0.001	0.000	-0.001	-0.000	0.000
TCRBV13_6	-0.013	0.003	0.004	0.005	0.008
TCRBV13_7	0.006	0.016	0.001	-0.004	-0.013
TCRBV13_8	-0.008	-0.009	-0.016	0.008	-0.008
TCRBV13_9	0.005	0.003	0.006	-0.012	0.007
TCRBV13_10	-0.002	-0.002	0.015	0.003	-0.004
TCRBV13_11	0.008	-0.001	-0.011	-0.003	0.007
TCRBV13_12	0.001	-0.002	0.003	0.002	0.003
TCRBV13_13	0.001	-0.009	-0.002	0.001	0.000
TCRBV14_5	0.003	0.000	-0.002	-0.000	-0.002
TCRBV14_6	0.006	0.004	-0.002	-0.005	0.000
TCRBV14_7	0.016	-0.004	0.006	-0.007	-0.003
TCRBV14_8	0.003	-0.009	-0.001	0.006	0.003
TCRBV14_9	-0.005	-0.012	-0.003	-0.002	-0.004
TCRBV14_10	-0.011	0.015	-0.001	-0.008	-0.002
TCRBV14 11	-0.014	-0.005	0.004	0.010	0.007
TCRBV14 12	0.001	0.000	-0.000	0.003	0.001
TCRBV14 13	0.001	0.000	-0.001	0.001	0.000
TCRBV15 4	-0.000	0.001	0.000	-0.001	0.001
TCRBV15 5	-0.001	0.013	-0.015	0.001	-0.010
TCRBV15 6	-0.009	-0.001	0.003	0.010	-0.001
TCRBV15_7	-0.013	-0.001	-0.003	0.002	-0.003
TCRBV15_/	0.009	0.009	-0.000	0.005	0.001
TCRBV15_8	0.003	0.011	0.018	-0.007	0.007
_			0.000	0.014	0.006
TCRBV15_10	0.006	-0.018	0.001	-0.000	0.006
TCRBV15_11	0.010	-0.009		-0.001	-0.003
TCRBV15_12	0.003	-0.004	-0.000		
TCRBV16_5	-0.001	0.003	0.001	0.003	-0.001
TCRBV16_6	-0.006	0.009	-0.012	0.019	0.002
TCRBV16_7	-0.003	0.005	-0.000	-0.017	0.002

FIG. 111D

TCRBV16 8	-0.001	0.010	0.005	0.016	0.000
TCRBV16 9	0.006	-0.004	-0.007	0.003	-0.027
TCRBV16 10	-0.005	0.008	-0.032	-0.006	0.008
TCRBV16 11	0.013	-0.003	0.034	0.014	0.009
TCRBV16 12	0.014	-0.016	0.004	-0.018	-0.004
TCRBV16_12	0.001	0.001	0.001	-0.002	-0.001
TCRBV18_13	0.000	-0.000	0.000	0.000	-0.000
TCRBV18_3	-0.004	0.009	0.002	0.009	-0.009
_	-0.004	0.011	0.002	0.009	-0.015
TCRBV18_5	-0.004	0.001	0.002	0.006	-0.035
TCRBV18_6	-0.003	-0.010	-0.002	0.012	0.004
TCRBV18_7		-0.010	0.003	-0.003	0.021
TCRBV18_8	0.001	-0.024	-0.010	0.002	0.015
TCRBV18_9	0.007		-0.016	-0.002	0.013
TCRBV18_10	0.010	-0.006	-0.008	0.003	-0.003
TCRBV18_11	0.004	0.004	-0.000	0.001	-0.001
TCRBV18_12	0.001	0.001		-0.001	0.000
TCRBV18_13	-0.001	0.000	0.001		-0.000
TCRBV20_5	-0.002	-0.002	-0.002	0.002	0.015
TCRBV20_6	-0.005	0.002	-0.000	0.001	-0.013
TCRBV20_7	0.001	-0.012	0.005	-0.013	0.012
TCRBV20_8	-0.010	-0.019	0.007	0.007	
TCRBV20_9	0.018	-0.009	-0.012	0.004	-0.019
TCRBV20_10	-0.002	0.001	0.010	0.032	0.000
TCRBV20_11	0.018	0.018	0.002	-0.007	0.010
TCRBV20_12	0.001	0.004	0.003	-0.008	0.007
TCRBV20_13	0.000	0.017	-0.010	0.007	-0.016
TCRBV20_14	-0.000	0.001	0.000	-0.001	0.001
					2.0
	26	27	28	29	30
		2 224	0 001	0 001	0.004
TCRBV01_6	-0.004	-0.004	-0.001	0.001	
TCRBV01_7	-0.002	-0.004	0.004	0.005	-0.004
TCRBV01_8	0.015	0.007	0.007	0.005	0.012
TCRBV01_9	0.007	0.014	-0.013	-0.030	-0.036
TCRBV01_10	0.004	0.002	-0.001	0.013	0.002
TCRBV01_11	0.003	0.002	0.004	0.003	0.010
TCRBV01_12	0.004	-0.007	-0.004	0.008	0.011 -0.000
TCRBV01_13	0.002	0.005	0.001	0.001	
TCRBV01_14	0.000	0.001	0.000	-0.000	0.000
TCRBV02_6	0.000	0.001	-0.002	0.005 0.004	0.022 -0.001
TCRBV02_7	0.010	-0.006	-0.007		0.009
TCRBV02_8	-0.006	-0.009	-0.001	-0.008	-0.010
TCRBV02_9	-0.022	0.019	0.013	0.008	0.000
TCRBV02_10	-0.020	0.005	0.014	-0.004	
TCRBV02_11	-0.020	0.003	-0.003	-0.002	-0.001
TCRBV02_12	-0.009	-0.002	0.014	-0.006	0.002
TCRBV02_13	-0.002	-0.001	-0.000	-0.004	0.000
TCRBV03_4	0.002	-0.000	-0.001	0.000	-0.001
TCRBV03_5	-0.000	-0.001	0.000	0.003	-0.000
TCRBV03_6	0.011	-0.004	0.000	0.008	-0.007
TCRBV03_7	0.006	-0.006	0.013	-0.001	-0.009
TCRBV03_8	-0.007	-0.004	0.028	-0.012	-0.007
TCRBV03_9	-0.012	-0.004	-0.007	-0.024	0.011
TCRBV03_10	0.002	0.007	0.009	0.001	0.017
TCRBV03_11	0.011	0.005	-0.014	0.016	-0.006
TCRBV03_12	0.009	-0.005	-0.018	0.009	0.002
TCRBV03_13	0.007	0.025	-0.015	0.006	-0.001
TCRBV04_6	-0.002	0.001	0.000	0.001	0.001
TCRBV04_7	0.001	-0.008	0.003	0.004	0.010
TCRBV04_8	0.010	-0.013	-0.001	0.003	-0.006
TCRBV04_9	0.013	-0.022	0.003	0.016	-0.007
TCRBV04_10	-0.005	0.007	-0.015	-0.039	-0.015
TCRBV04_11	-0.004	0.012	-0.002	0.018	-0.005
TCRBV04_12	-0.005	0.003	0.003	0.025	0.019
		77777 1	101		

FIG. 112A

TCRBV04 13	-0.003	0.013	-0.001	-0.007	0.004
TCRBV04_14	-0.007	0.002	0.007	-0.012	-0.003
	0.002	0.004	0.002	-0.010	0.001
TCRBV04_15	0.002	-0.001	-0.003	0.002	0.010
TCRBV051_5	0.002	-0.015	-0.004	0.018	-0.002
TCRBV051_6		0.003	0.014	-0.008	0.004
TCRBV051_7	0.023		-0.006	-0.025	0.007
TCRBV051_8	-0.023	-0.014		0.025	-0.007
TCRBV051_9	0.019	0.024	0.037		-0.011
TCRBV051 10	-0.025	0.001	-0.008	0.010	
TCRBV051 11	0.009	0.008	0.012	-0.012	0.021
TCRBV051_12	-0.014	-0.014	-0.011	0.012	0.010
TCRBV051 13	-0.000	0.001	-0.002	-0.006	0.010
TCRBV052_6	-0.000	-0.000	0.003	-0.015	0.002
TCRBV052_7	-0.007	0.014	0.008	-0.021	0.001
-	-0.011	-0.011	0.012	-0.001	0.018
TCRBV052_8	0.007	-0.002	-0.009	0.024	-0.019
TCRBV052_9	-0.009	-0.019	0.009	0.005	0.015
TCRBV052_10		0.006	0.009	0.008	0.013
TCRBV052_11	0.018	0.001	-0.003	0.014	0.012
TCRBV052_12	0.003		0.002	0.004	-0.001
TCRBV052_13	-0.004	0.002		0.002	0.000
TCRBV06_5	0.000	-0.001	0.002	0.005	-0.003
TCRBV06_6	-0.007	-0.005	0.003		-0.003
TCRBV06 7	0.001	-0.004	0.019	0.016	
TCRBV06 8	-0.005	-0.008	0.011	-0.005	-0.016
TCRBV06 9	-0.021	0.002	0.006	0.005	-0.028
-					
TCRBV06 10	0.016	0.026	-0.013	-0.020	0.006
TCRBV06 11	0.035	0.001	-0.016	-0.015	0.018
TCRBV06 12	0.000	-0.001	-0.015	0.007	0.025
_	0.010	0.006	0.002	0.010	-0.001
TCRBV06_13	-0.000	-0.000	0.001	-0.001	-0.001
TCRBV07_5	0.003	0.016	-0.020	-0.007	0.004
TCRBV07_6	0.003	0.003	-0.017	-0.007	0.008
TCRBV07_7		-0.013	-0.006	0.022	-0.014
TCRBV07_8	0.002		0.003	-0.028	-0.000
TCRBV07_9	0.020	0.013	0.013	0.007	0.017
TCRBV07_10	-0.000	-0.003	0.013	0.005	-0.013
TCRBV07_11	0.019	0.010		0.012	-0.000
TCRBV07_12	-0.010	-0.011	0.011	0.003	-0.000
TCRBV07_13	-0.004	-0.000	0.001	0.004	0.002
TCRBV081_5	0.000	-0.003	-0.001		0.012
TCRBV081_6	0.007	-0.005	0.003	-0.006	0.009
TCRBV081 7	0.004	0.020	0.022	-0.021	
TCRBV081 8	0.000	0.006	0.037	-0.009	0.011
TCRBV081 9	-0.007	0.014	0.003	0.016	-0.008
TCRBV081_10	-0.002	-0.019	-0.022	-0.008	0.028
TCRBV081 11	-0.001	-0.010	-0.009	0.004	-0.015
TCRBV081 12	-0.001	-0.003	-0.033	0.019	-0.039
TCRBV082_4	-0.005	0.002	0.010	0.007	0.011
TCRBV082_5	-0.001	0.011	-0.000	0.005	0.007
TCRBV082_6	-0.001	0.011	0.017	0.015	0.014
TCRBV082_7	-0.001	0.015	-0.005	0.016	0.002
	-0.002	-0.016	-0.005	-0.013	-0.001
TCRBV082_8	0.007	-0.011	-0.009	-0.017	-0.010
TCRBV082_9		-0.009	-0.004	-0.011	-0.012
TCRBV082_10	-0.003	-0.002	-0.003	-0.001	-0.010
TCRBV082_11	0.005		-0.001	0.000	-0.000
TCRBV083_4	0.001	0.002		0.006	-0.010
TCRBV083_5	-0.002	-0.002	-0.008	0.006	-0.006
TCRBV083_6	-0.007	0.001	-0.010		-0.008
TCRBV083_7	-0.006	0.002	-0.021	0.001	0.020
TCRBV083 8	-0.005	0.004	-0.011	0.004	
TCRBV083_9	0.001	-0.011	0.008	-0.008	-0.006
TCRBV083 10	0.010	0.008	0.009	-0.008	-0.008
TCRBV083 11	0.005	-0.009	0.019	0.002	0.002
TCRBV083_12	0.004	0.005	0.016	-0.003	0.016
- 3					

TCRB109					0.003	0.001
TCRBV09 6 -0.001 -0.002 -0.018 -0.012 -0.013 TCRBV09 7 -0.006 -0.0004 -0.008 -0.0012 -0.011 -0.014 TCRBV09 9 -0.025 -0.014 -0.008 -0.002 -0.011 -0.014 TCRBV09 9 -0.025 -0.014 -0.026 -0.022 -0.012 -0.003 TCRBV09 11 -0.014 -0.002 -0.027 -0.012 -0.023 TCRBV09 11 -0.002 -0.026 -0.002 -0.011 -0.001 TCRBV09 11 -0.002 -0.026 -0.002 -0.011 -0.001 TCRBV09 11 -0.002 -0.026 -0.002 -0.011 TCRBV09 12 -0.017 -0.014 -0.002 -0.004 -0.002 -0.011 TCRBV09 13 -0.005 -0.001 -0.001 -0.002 -0.011 TCRBV09 13 -0.005 -0.001 -0.001 -0.002 -0.011 TCRBV09 14 -0.002 -0.001 -0.001 -0.001 -0.002 -0.011 TCRBV09 15 -0.000 -0.001 -0.001 -0.001 -0.002 -0.011 TCRBV09 15 -0.000 -0.001 -0.001 -0.001 -0.002 TCRBV10 -7 -0.009 -0.013 -0.005 -0.006 -0.001 -0.001 -0.002 -0.013 TCRBV10 -7 -0.009 -0.013 -0.005 -0.006 -0.001 -0.002 -0.005 TCRBV10 -7 -0.009 -0.013 -0.005 -0.006 -0.005 -0.006 -0.012 TCRBV10 -9 -0.013 -0.005 -0.016 -0.006 -0.005 -0.006 TCRBV10 -1 -0.035 -0.016 -0.006 -0.000 -0.000 TCRBV10 -1 -0.035 -0.005 -0.016 -0.006 -0.000 -0.000 TCRBV10 -1 -0.035 -0.005 -0.016 -0.000 -0.000 -0.000 TCRBV10 -1 -0.035 -0.005 -0.016 -0.000 -0.000 -0.000 TCRBV10 -1 -0.035 -0.005 -0.	TCRBV09_5					
TCRENVO 9 8 -0.004 -0.008 -0.002 -0.011 -0.014 TCRENVO 9 9 -0.025 -0.014 -0.022 -0.027 -0.012 -0.029 TCRENVO 9 10 -0.014 -0.002 -0.027 -0.012 -0.029 TCRENVO 9 11 -0.002 -0.026 -0.002 -0.011 -0.001 TCRENVO 9 12 -0.017 -0.014 -0.027 -0.023 -0.017 TCRENVO 9 11 -0.005 -0.010 -0.010 -0.008 -0.011 TCRENVO 9 13 -0.005 -0.010 -0.010 -0.008 -0.017 TCRENVO 9 13 -0.005 -0.010 -0.010 -0.008 -0.017 TCRENVO 9 13 -0.005 -0.006 -0.001 -0.001 -0.002 TCRENVO 9 15 -0.000 -0.001 -0.001 -0.009 -0.013 TCRENVO 9 15 -0.000 -0.010 -0.001 -0.009 -0.013 TCRENVO 9 16 -0.006 -0.001 -0.005 -0.002 TCRENVO 9 16 -0.006 -0.001 -0.005 -0.002 TCRENVO 9 10 -0.003 -0.009 -0.010 -0.005 -0.002 TCRENVO 9 -0.013 -0.009 -0.010 -0.005 -0.002 TCRENVO 9 -0.013 -0.009 -0.015 -0.002 -0.015 TCRENVO 9 -0.003 -0.005 -0.015 -0.002 TCRENVO 10 -0.008 -0.013 -0.006 -0.003 -0.005 TCRENVO 11 -0.035 -0.005 -0.015 -0.002 -0.005 TCRENVO 12 -0.013 -0.000 -0.004 -0.003 -0.005 TCRENVO 12 -0.013 -0.000 -0.004 -0.003 -0.005 TCRENVO 15 -0.002 -0.004 -0.003 -0.005 TCRENVO 15 -0.002 -0.004 -0.003 -0.005 TCRENVO 15 -0.002 -0.004 -0.003 -0.005 TCRENVO 17 -0.006 -0.005 -0.005 -0.005 TCRENVO 18 -0.001 -0.002 -0.002 -0.005 -0.005 TCRENVO 19 -0.003 -0.005 -0.005 -0.005 TCRENVO 19 -0.003 -0.005 -0.005 -0.005 TCRENVO 10 -0.004 -0.000 -0.000 -0.000 -0.000 TCRENVO 11 -0.005 -0.005 -0.005 -0.005 TCRENVO 12 -0.005 -0.005 -0.005 -0.005 TCRENVO 13 -0.005 -0.005 -0.005 -0.005 TCRENVO 14 -0.005 -0.005 -0.005 -0.005 TCRENVO 15 -0.005 -0.005 -0.005 -0.005 TCRENVO 17 -0.006 -0.005 -0.005 -0.005 -0.005 TCRENVO 18 -0.005 -0.005 -0.005 -0.005 -0.005 TCRENVO 19 -0.005 -0.005 -0.005 -0.005 -0.005 TCRENVO 19 -0.005 -0.005 -0.005 -0.005 -0.005 TCRENVO 19 -0.005 -0.005 -0.005 -0.005 -0.005 TCRENVO 19 -0.005 -0.005 -0.005 -0.005 -0.005 TCRENVO 19 -0.005 -0.005 -0.005 -0.005 -0.005 TCRENVO 19 -0.005 -0.005 -0.005 -0.005 -0.005 TCRENVO 19 -0.005 -0.005 -0.005 -0.005 -0.005 TCRENVO 19 -0.005 -0.005 -0.005 -0.005 -0.005 TCRENVO 19 -0.005 -0.005 -0.005 -0.005 -0.005 TCRENVO 19 -0.005 -0.005 -0.005 -0.005 -0.00	TCRBV09_6					
TCRBV09 9	TCRBV09_7					-0.014
TCRBV09						-0.003
TCRBV09 11						0.029
TCRBV09_11	-				0.011	0.001
TCRBV09_13	- .				-0.023	0.017
TCRBVO9_14	-				-0.008	
TCRBYOS_15 -0.000 -0.001 -0.001 -0.003 -0.003 -0.001 -0.005 -0.006 -0.001 -0.005 -0.006 -0.013 -0.002 -0.013 -0.002 -0.015 -0.005 -0.014 -0.005 -0.00				0.004	0.002	
TCRBV10_6				0.001		
TCRBV10_7				0.001		
TCRBVIO_B TCRBVIO_B O.013 O.009 O.025 TCRSVIO_10 O.008 O.008 O.016 TCRSVIO_11 O.008 O.008 O.005 TCRSVIO_11 O.008 O.008 O.005 O.005 TCRSVIO_11 O.008 O.008 O.005 O.005 TCRSVIO_11 O.001 TCRSVIO_12 O.001 TCRSVIO_13 O.001 TCRSVIO_13 O.001 TCRSVIO_13 O.001 TCRSVIO_13 O.002 O.004 TCRSVIO_13 O.002 O.004 TCRSVIO_13 O.002 O.004 TCRSVII_5 O.002 O.004 TCRSVII_6 O.001 TCRSVII_6 O.001 TCRSVII_7 O.006 O.005 TCRSVII_7 O.006 O.005 TCRSVII_7 O.006 O.005 TCRSVII_7 O.006 O.005 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 O.008 O.005 TCRSVII_1 O.001 TCRSVII_1 O.001 O.008 O.005 O.005 TCRSVII_1 O.001 TCRSVII_1 O.001 O.008 O.005 O.005 O.007 TCRSVII_1 O.001 O.008 O.001 TCRSVII_1 O.001 O.008 O.001 TCRSVII_1 O.001 O.008 O.006 O.006 O.006 O.006 O.007 TCRSVII_1 O.001 O.008 O.007 TCRSVII_1 O.001 O.008 O.008 O.001 TCRSVII_1 O.001 O.008 O.001 TCRSVII_1 O.001 O.008 O.001 TCRSVII_1 O.001 O.008 O.001 TCRSVII_1 O.001 O.008 O.001 TCRSVII_1 O.001 O.008 O.001 TCRSVII_1 O.001 O.008 O.001 TCRSVII_1 O.001 O.004 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_1 O.001 TCRSVII_2 O.001 TCRSVII_2 O.001 TCRSVII_2 O.001 TCRSVII_2 O.001 TCRSVII_2 O.001 TCRSVII_2 O.001 TCRSVII_2 O.001 TCRSVII_2 O.001 TCRSVII_2 O.001 TCRSVII_2 O.001 TCRSVII_2 O.001 TCRSVII_3 O.001 TCRSVII_4 O.001 O.002 TCRSVII_3 O.001 TCRSVII_5 O.001 TCRSVII_5 O.001 TCRSVII_5 O.001 TCRSVII_6 O.001 TCRSVII_6 O.001 TCRSVII_6 O.001 TCRSVII_6 O.001 TCRSVII_6 O.001 TCRSVI	_		-0.010	0.005		
TCRBVIO_9	-		0.012			
TCRBV10_10	_	0.013	0.009			
TCRBV10	-	0.008	-0.016			
TCRBVIO_12		-0.035				
TCRBVI_1_5		-0.013				
TCRBV11_5		0.001				
TCRBVI1 6	TCRBV11_5					
TCRBVI1_7 TCRBVI1_9 0.002 0.019 0.010 1CRBVI1_19 0.0002 0.019 0.001 1CRBVI1_11 0.000 0.008 0.001 1CRBVI1_11 0.000 0.008 0.001 0.0001 0.0008 0.001 0.0001 0.0003 0.001 0.0001 0.0003 0.001 0.0001 0.0003 0.001 0.0001	TCRBV11_6					-0.000
TCRBVI1_8	TCRBV11_7					0.004
TCRBVI1_9					-0.008	-0.010
TCRBVI1_11 0.000 0.008 -0.001 -0.009 0.003 TCREV11_12 0.001 -0.002 -0.000 -0.004 -0.001 TCRBVI1_13 0.001 -0.002 -0.000 -0.002 -0.001 TCRBVI1_15 0.001 0.002 -0.001 0.002 -0.001 TCRBVI1_15 0.001 0.002 -0.001 0.000 -0.001 TCRBVI2_15 0.001 0.002 -0.001 0.002 0.000 0.003 TCRBVI2_26 0.001 0.008 -0.023 0.013 -0.003 TCRBVI2_6 0.000 -0.005 -0.002 -0.016 0.027 TCRBVI2_7 -0.007 -0.016 -0.008 -0.011 0.004 TCRBVI2_9 0.003 -0.003 0.016 0.007 TCRBVI2_10 -0.002 0.004 -0.002 0.004 -0.005 TCRBVI2_11 0.001 0.001 0.000 TCRBVI2_11 0.001 0.001 0.001 TCRBVI2_12 -0.007 0.008 0.012 0.004 -0.007 TCRBVI2_11 0.001 0.001 0.000 0.009 -0.003 -0.001 TCRBVI3_11 0.001 0.001 0.001 TCRBVI3_6 0.003 -0.001 0.001 0.001 0.001 TCRBVI3_7 0.002 0.004 -0.002 0.004 TCRBVI3_8 -0.004 -0.015 0.022 0.016 0.005 -0.009 TCRBVI3_12 0.001 0.001 0.001 0.001 0.001 TCRBVI3_11 0.001 0.002 0.004 0.002 0.001 TCRBVI3_11 0.001 0.001 0.001 0.001 0.001 TCRBVI3_11 0.001 0.001 0.006 0.002 0.001 TCRBVI3_11 0.001 0.001 0.006 0.002 0.001 TCRBVI3_11 0.001 0.001 0.006 0.002 0.001 TCRBVI3_11 0.001 0.001 0.006 0.002 0.001 TCRBVI3_11 0.001 0.001 0.006 0.002 0.001 TCRBVI3_11 0.001 0.001 0.006 0.002 0.001 TCRBVI3_11 0.001 0.001 0.006 0.002 0.001 TCRBVI3_11 0.001 0.001 0.006 0.002 0.001 TCRBVI3_11 0.001 0.001 0.001 0.001 0.001 0.001 TCRBVI3_11 0.001 0.001 0.001 0.001 0.001 0.001 0.001 TCRBVI4_6 0.001 0.001 0.001 0.001 0.001 0.001 TCRBVI4_7 0.001 0.001 0.001 0.001 0.001 0.001 TCRBVI4_9 0.001 0.001 0.001 0.002 0.002 0.002 TCRBVI4_11 0.001 0.001 0.001 0.001 0.002 0.002 0.001 TCRBVI4_11 0.001	-				-0.003	-0.002
TCRBVI_112	-				-0.013	
TCRBVI1_13 0.001 0.002 0.002 0.000 0.000 0.0001 TCRBV11_14 0.001 0.001 0.002 0.001 0.004 0.001 TCRBV12_4 0.001 0.002 0.001 0.004 0.003 TCRBV12_5 0.011 0.008 0.002 0.001 0.002 0.001 0.003 TCRBV12_6 0.000 0.005 0.002 0.016 0.027 TCRBV12_7 0.007 0.008 0.012 0.009 0.001 TCRBV12_8 0.007 0.003 0.016 0.007 TCRBV12_9 0.003 0.004 0.001 0.004 0.004 0.007 TCRBV12_10 0.002 0.004 0.003 0.016 0.007 0.006 TCRBV12_11 0.001 0.001 0.000 0.004 0.004 0.006 TCRBV12_11 0.001 0.001 0.000 0.009 0.004 0.006 0.005 TCRBV13_5 0.003 0.001 0.001 0.000 0.006 0.005 TCRBV13_6 0.009 0.004 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.001 TCRBV13_6 0.002 0.004 0.005 TCRBV13_9 0.011 0.026 0.012 0.012 0.015 TCRBV13_11 0.001 0.006 0.002 TCRBV13_11 0.001 0.006 0.002 0.004 0.006 0.002 TCRBV13_10 0.001 0.006 0.002 0.004 0.006 0.002 TCRBV13_11 0.001 0.006 0.002 0.001 TCRBV13_11 0.001 0.006 0.002 0.001 0.006 0.002 TCRBV13_11 0.000 0.004 0.006 0.002 0.001 TCRBV13_11 0.000 0.004 0.006 0.002 0.001 TCRBV13_11 0.000 0.004 0.006 0.002 0.001 TCRBV13_11 0.000 0.004 0.006 0.002 0.001 TCRBV13_11 0.000 0.004 0.006 0.002 0.001 TCRBV13_11 0.000 0.004 0.006 0.002 0.001 TCRBV14_6 0.001 0.001 0.003 0.006 0.007 TCRBV14_6 0.001 0.001 0.004 0.006 0.007 TCRBV14_11 0.001 0.001 0.004 0.006 0.007 0.007 0.008 0.001 TCRBV14_11 0.001 0.001 0.004 0.006 0.007 0.007 0.008 0.001 0.000 0.001 0.000 0.001 0.001 0.000 0.001 0.0				-0.001		
TCRBV11_14				-0.000		
TCRBV11_15				-0.002		
TCRBV12_4 0.001 0.002 0.003 0.013 0.003 TCRBV12_5 0.011 0.008 0.002 0.0002 0.016 0.027 TCRBV12_7 0.007 0.008 0.012 0.009 0.009 TCRBV12_8 0.0007 0.008 0.012 0.009 0.009 TCRBV12_9 0.003 0.003 0.003 0.006 TCRBV12_10 0.001 0.001 0.001 0.002 0.004 0.002 0.004 0.002 0.004 0.002 0.004 0.009 0.003 0.006 TCRBV12_11 0.001 0.001 0.001 0.000 TCRBV12_12 0.001 0.001 0.001 0.000 0.009 0.003 0.006 0.005 TCRBV12_12 0.001 0.001 0.000 0.009 0.006 0.005 TCRBV13_5 0.003 0.001 0.001 0.000			-0.000			
TCRBV12_5	—		0.002			
TCRBV12_6	_		0.008			
TCRBV12_7	——————————————————————————————————————	0.000	-0.005			
TCRBV12_8	_	-0.007				
TCRBV12_9	_	-0.007				
TCRBV12_10						
TCRBV12_11	TCRBV12_10					-0.004
TCRBV13_5	TCRBV12_11					0.005
TCRBV13_6	_				-0.002	-0.002
TCRBV13_6 TCRBV13_7 TCRBV13_8 -0.004 TCRBV13_9 TCRBV13_10 TCRBV13_11 -0.003 TCRBV13_11 -0.003 TCRBV13_12 -0.001 TCRBV13_13 -0.002 TCRBV13_13 -0.002 TCRBV13_11 -0.003 TCRBV13_12 -0.000 TCRBV13_13 -0.002 TCRBV14_5 -0.001 TCRBV14_6 -0.001 TCRBV14_7 -0.011 TCRBV14_7 -0.011 TCRBV14_8 -0.010 TCRBV14_9 TCRBV14_10 TCRBV14_11 -0.008 TCRBV14_11 -0.008 TCRBV14_12 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.002 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_11 -0.001 TCRBV14_12 -0.001 TCRBV14_13 -0.001 TCRBV15_4 -0.000 -0.001 TCRBV15_5 -0.002 TCRBV15_7 -0.002 TCRBV15_8 -0.019 TCRBV15_9 -0.007 -0.001 -0.000 -0.001	_				0.005	
TCRBV13_8 TCRBV13_9 TCRBV13_10 TCRBV13_11 TCRBV13_11 TCRBV13_11 TCRBV13_12 TCRBV13_12 TCRBV13_13 TCRBV13_13 TCRBV13_13 TCRBV13_14 TCRBV13_15 TCRBV13_15 TCRBV13_16 TCRBV13_17 TCRBV13_17 TCRBV13_18 TCRBV13_18 TCRBV13_19 TCRBV13_19 TCRBV13_10 TCRBV13_10 TCRBV13_10 TCRBV13_11 TCRBV13_11 TCRBV13_11 TCRBV13_12 TCRBV14_5 TCRBV14_5 TCRBV14_6 TCRBV14_6 TCRBV14_7 TCRBV14_7 TCRBV14_7 TCRBV14_8 TCRBV14_9 TCRBV14_9 TCRBV14_10 TCRBV14_11 TCRBV14_11 TCRBV14_11 TCRBV14_12 TCRBV14_11 TCRBV14_12 TCRBV14_13 TCRBV14_13 TCRBV14_13 TCRBV14_13 TCRBV14_13 TCRBV15_4 TCRBV15_6 TCRBV15_6 TCRBV15_9 TCRBV15_	_			-0.010	0.010	
TCRBV13_9	_			0.022		
TCRBV13_10	_					
TCRBV13_11			-0.006			
TCRBV13_12		-0.003				
TCRBV13_13						
TCRBV14_5		-0.002				
TCRBV14_6	_					
TCRBV14_7 TCRBV14_8 -0.010 0.014 0.006 0.000 -0.007 TCRBV14_9 0.010 0.016 -0.012 -0.007 -0.000 TCRBV14_10 0.008 -0.025 0.012 0.007 -0.002 TCRBV14_11 0.001 -0.000 0.003 -0.000 0.001 TCRBV14_12 0.001 0.000 0.000 -0.001 -0.000 -0.001 TCRBV14_13 0.001 0.000 0.000 -0.001 -0.000 -0.001 TCRBV15_4 -0.000 -0.002 0.000 -0.005 -0.001 TCRBV15_5 0.007 0.017 -0.005 0.010 0.007 TCRBV15_6 0.002 0.001 -0.004 0.009 0.003 TCRBV15_7 0.019 0.012 -0.002 -0.001 -0.002 -0.001 -0.003 -0.003 -0.008 TCRBV15_8 0.019 0.012 -0.002 -0.001 -0.001 -0.002 -0.001 -0.003 -0.003 -0.009 TCRBV15_9 0.010 0.011	TCRBV14_6		•			
TCRBV14_8						-0.007
TCRBV14_10	TCRBV14_8					0.003
TCRBV14_10					-0.007	
TCRBV14_12						
TCRBV14_13				. 0.003		
TCRBV15_4 -0.000 -0.002 0.000 -0.005 -0.001 TCRBV15_5 -0.007 0.017 -0.005 0.010 0.007 TCRBV15_6 0.002 0.001 -0.004 0.009 0.003 TCRBV15_7 0.026 -0.019 -0.019 0.003 0.008 TCRBV15_7 0.019 0.012 -0.002 -0.007 -0.021 TCRBV15_8 0.019 0.003 -0.000 0.018 -0.009 TCRBV15_9 0.007 0.003 0.006 -0.020 0.015				-0.001		
TCRBV15_4 TCRBV15_5 -0.007 0.017 -0.005 0.010 0.007 TCRBV15_6 0.002 0.001 -0.004 0.009 0.003 TCRBV15_7 0.026 -0.019 0.012 -0.002 -0.007 TCRBV15_8 0.019 0.012 -0.002 -0.007 TCRBV15_9 0.007 0.003 0.016 -0.020 0.015				0.000		
TCRBV15_5 0.002 0.001 -0.004 0.009 0.003	- _					
TCRBV15_7 0.026 -0.019 -0.019 0.003 -0.007 -0.021 TCRBV15_8 0.019 0.012 -0.000 0.018 -0.009 TCRBV15_9 0.007 0.003 -0.000 0.018 -0.009 TCRBV15_9 0.016 -0.020 0.015	_					
TCRBV15_8 0.019 0.012 -0.002 -0.007 -0.009 TCRBV15_9 0.007 0.003 -0.000 0.018 -0.009 TCRBV15_9 0.016 -0.020 0.015	-		-0.019			
TCRBV15_9 0.007 0.003 -0.000 0.016 0.015						
- 0.01						
	-	-0.011	0.008	0.070	0.020	

		-0.005	0.012	-0.004	-0.001
TCRBV15_11	-0.005		-0.000	0.002	-0.002
TCRBV15_12	-0.001	-0.000	0.003	-0.004	0.001
TCRBV16_5	0.000	0.003	-0.007	0.001	-0.003
TCRBV16_6	0.005	0.026	0.013	0.006	-0.009
TCRBV16_7	0.021	0.004	-0.003	-0.010	0.011
TCRBV16 8	0.020	-0.036		-0.010	0.025
TCRBV16 9	-0.016	0.001	0.017	0.004	-0.015
TCRBV16 10	0.001	0.009	0.007	0.036	0.020
TCRBV16 11	-0.003	0.002	0.012	-0.004	0.009
TCRBV16_12	-0.007	-0.003	-0.018	0.004	0.002
TCRBV16 13	0.005	0.002	0.005	0.000	-0.000
TCRBV18 3	-0.000	-0.000	-0.000	-0.016	-0.002
TCRBV18 4	-0.008	0.003	0.007	-0.012	0.010
TCRBV18_5	-0.020	-0.011	0.009	-0.024	-0.004
TCRBV18_6	-0.025	0.017	0.016	-0.013	-0.017
TCRBV18_7	-0.004	-0.032	-0.000	0.030	0.000
TCRBV18_8	-0.023	0.032	-0.024		0.037
TCRBV18_9	-0.017	-0.006	0.003	0.016	-0.005
TCRBV18_10	0.001	-0.003	0.017	0.010	-0.007
TCRBV18_11	0.004	-0.008	0.007	-0.000	0.003
TCRBV18 12	0.002	0.001	0.004	0.000	0.001
_	0.000	-0.001	0.000	0.002	0.004
TCRBV18_13	0.006	0.001	-0.001	0.001	0.023
TCRBV20_5	0.011	-0.004	-0.017	-0.022	0.017
TCRBV20_6	0.012	0.002	0.003	-0.001	0.023
TCRBV20_7	-0.001	0.007	0.016	0.013	
TCRBV20_8	0.006	0.001	-0:018	0.035	0.005
TCRBV20_9	0.004	-0.003	0.006	0.003	-0.075
TCRBV20_10	-0.011	0.003	0.018	-0.009	-0.004
TCRBV20_11	0.002	-0.009	0.006	-0.010	0.007
TCRBV20_12	0.001	0.020	-0.014	-0.000	-0.002
TCRBV20_13	-0.000	-0.001	0.000	-0.004	-0.001
TCRBV20_14	-0.000	•			
	31	32	33	34	35
	5.2				0.001
	-0.001	0.003	0.000	0.004	0.001
TCRBV01_6	0.021	0.004	0.008	0.007	0.002
TCRBV01_7	0.023	-0.027	0.014	-0.033	0.003
TCRBV01_8	0.030	0.049	0.013	0.015	0.006
TCRBV01_9	-0.009	0.000	-0.003	-0.011	-0.001
TCRBV01_10	-0.039	-0.031	-0.025	0.018	-0.014
TCRBV01_11	-0.014	0.014	-0.012	-0.005	-0.004
TCRBV01_12	-0.005	-0.005	-0.010	-0.007	-0.003
TCRBV01_13	0.000	-0.000	0.000	0.000	-0.001
TCRBV01_14	0.006	0.014	-0.002	0.010	0.014
TCRBV02_6	-0.019	0.000	-0.001	-0.003	0.015
TCRBV02_7	0.012	-0.013	0.009	-0.006	0.008
TCRBV02_8	0.003	-0.021	-0.003	0.051	0.015
TCRBV02_9	0.004	0.008	0.022	0.017	-0.007
TCRBV02_10	0.003	0.002	0.011	0.007	-0.015
TCRBV02_11	-0.019	0.007	0.020	-0.012	-0.004
TCRBV02_12		-0.007	0.013	-0.001	0.005
TCRBV02_13	-0.001	0.001	-0.002	-0.002	-0.001
TCRBV03_4	0.000	0.001	-0.001	0.003	0.001
TCRBV03_5	-0.001	-0.012	-0.012	-0.016	0.007
TCRBV03_6	0.023	-0.012	0.018	0.005	-0.017
TCRBV03_7	0.003	-0.023	0.016	-0.011	0.009
TCRBV03_8	0.005	_	0.001	-0.022	0.016
TCRBV03_9	-0.003	0.006	-0.011	0.020	-0.007
TCRBV03_10	-0.031	0.013	0.002	0.035	-0.032
TCRBV03_11	0.005	0.009	-0.013	0.002	0.020
TCRBV03_12	-0.000	0.021	-0.013	-0.026	-0.006
TCRBV03_13	0.007	-0.002	J.J.		0 000
			-0.001	-0.002	0.000
TCRBV04_6	-0.003	0.002	-0.001 -0.009	-0.002 -0.001	-0.010
TCRBV04_6 TCRBV04_7			-0.001 -0.009		

FIG. 112D

				0.000	0.014
	0.000	-0.023	-0.003	0.020	0.015
TCRBV04_8	0.020	0.000	-0.030	0.005	0.027
TCRBV04_9	0.021	-0.019	0.008	0.017	0.030
TCRBV04_10	-0.030	0.005	0.018	-0.039	0.014
TCRBV04_11	-0.021	0.012	0.054	0.013	-0.044
TCRBV04_12	0.016	0.031	-0.035	-0.010	-0.037
TCRBV04_13	0.000	-0.017	-0.006	-0.005	-0.010
TCRBV04_14	-0.003	0.006	0.005	0.001	-0.001
TCRBV04_15	0.005	-0.019	0.001	-0.001	0.014
TCRBV051_5	-0.012	0.004	-0.011	0.014	
TCRBV051_6	0.008	-0.016	0.010	-0.002	0.016 0.007
TCRBV051_7	-0.016	-0.010	-0.002	0.010	-
TCRBV051_8	0.007		0.035	-0.012	0.031
TCRBV051_9	0.005	0.038	-0.024	-0.008	0.013
TCRBV051_10	0.011	-0.011	-0.002	0.031	-0.003
TCRBV051_11	0.003	0.000	-0.007	0.026	-0.043
TCRBV051_12	-0.001	-0.028	0.007	-0.001	0.001
TCRBV051_13	-0.005	-0.004	0.002	0.012	-0.011
TCRBV052_6	-0.002	-0.004	0.007	0.016	-0.004
TCRBV052_7	-0.014	0.004	-0.003	0.005	0.010
TCRBV052_8	0.009	-0.007	0.009	0.020	0.021
TCRBV052_9	-0.016	-0.010	-0.004	0.002	-0.006
TCRBV052_10	0.030	-0.039	-0.002	0.006	0.020
TCRBV052_10	-0.011	0.011	-0.001	-0.002	0.006
TCRBV052_12	0.007	-0.003	-0.002	-0.002	-0.001
TCRBV052_12 TCRBV052_13	-0.003	0.002	0.001	-0.000	-0.006
TCRBV052_13	0.004	-0.001	0.007	-0.008	-0.009
TCRBV06_5	-0.006	0.007		-0.012	-0.002
TCRBV06_6	-0.014	0.019	-0.004	-0.009	-0.001
TCRBV06_7	-0.024	0.031	-0.030	-0.004	-0.037
TCRBV06_8	-0.009	0.001	-0.004	0.013	-0.003
TCRBV06_9	0.036	-0.027	0.011	0.006	0.032
TCRBV06_10	0.005	-0.031	-0.007	-0.005	0.001
TCRBV06_11	0.014	0.015	0.010	0.007	0.015
TCRBV06_12	0.002	-0.006	0.000	0.000	-0.002
TCRBV06_13	-0.000	0.000	0.001	-0.022	-0.002
TCRBV07_5	0.009	-0.008	-0.002	-0.016	-0.018
TCRBV07_6	0.019	0.004	0.019	0.005	-0.003
TCRBV07_7	0.012	0.001	-0.026	-0.008	-0.016
TCRBV07_8	-0.005	0.002	-0.034	-0.003	0.006
TCRBV07_9	-0.015	-0.003	0.014	0.010	0.005
TCRBV07_10	-0.007	-0.006	0.002	0.015	0.018
TCRBV07_11	-0.004	0.014	0.010	0.015	
TCRBV07_12	-0.002			0.007	0.002
	-0.003	0.002	0.001	-0.001	0.001
TCRBV07_13	-0.001	-0.006	0.003	0.018	0.005
TCRBV081_5	-0.018	-0.003	-0.007		0.023
TCRBV081_6	0.002	-0.018	-0.023	-0.002	-0.013
TCRBV081_7	0.002	0.007	-0.010	0.011	0.007
TCRBV081_8	-0.004	-0.002	0.015	-0.013	-0.042
TCRBV081_9	0.017	0.031	0.017	0.004	0.006
TCRBV081_10		-0.001	0.000	0.013	0.011
TCRBV081_11	0.004	-0.008	0.004	-0.030	-0.001
TCRBV081_12	-0.003	-0.001	0.002	-0.005	0.002
TCRBV082_4	-0.003	0.008	0.013	-0.003	-0.019
TCRBV082_5	0.010	-0.006	0.004	-0.009	0.037
TCRBV082_6	0.008	0.026	-0.001	-0.000	-0.014
TCRBV082_7	-0.004	-0.041	-0.013	-0.038	
TCRBV082_8	-0.011	0.001	-0.010	0.017	0.009
TCRBV082_9	0.006	-0.005	-0.001	0.023	-0.015
TCRBV082_10	-0.001	0.018	0.006	0.015	-0.000
TCRBV082_11	-0.004	0.000	-0.001	-0.002	-0.001
TCRBV083_4	0.000		0.011	-0.002	0.012
TCRBV083_5	0.008	0.002	-0.011	0.006	-0.005
TCRBV083_6	0.005	-0.002	-0.003	-0.044	-0.005
TCRBV083_7	0.009	0.000			
			1121		

FIG. 113A

	0.004	-0.035	-0.002	-0.036	-0.000
TCRBV083_8	-0.016	0.012	-0.028	0.005	-0.008
TCRBV083_9	-0.015	0.023	0.003	0.031	0.008
TCRBV083_10	-0.002	0.002	0.017	0.022	0.005
TCRBV083_11	0.008	-0.002	0.013	0.019	-0.004
TCRBV083_12	0.004	-0.001	0.005	-0.002	0.002
TCRBV09_5	0.006	0.010	0.003	-0.002	0.018
TCRBV09_6	0.014	-0.021	-0.041	0.034	0.003
TCRBV09_7	-0.027	-0.005	0.017	-0.046	0.021
TCRBV09_8	-0.011	0.011	-0.004	0.005	0.006
TCRBV09_9	-0.014	-0.016	0.007	-0.007	-0.001
TCRBV09_10	-0.006	-0.006	0.033	-0.001	-0.031
TCRBV09_11	0.001	0.012	0.003	0.026	0.040
TCRBV09_12	0.006	0.008	0.007	-0.000	0.026
TCRBV09_13	0.003	0.005	0.008	0.007	0.019
TCRBV09_14	0.003	0.001	-0.002	0.003	0.006
TCRBV09_15	-0.004	0.001	-0.001	0.006	0.019
TCRBV10_6	-0.006	0.019	-0.016	-0.015	-0.000
TCRBV10_7	0.017	0.007	-0.007	-0.033	-0.006
TCRBV10_8 TCRBV10_9	-0.001	0.009	0.013	-0.000	0.014
TCRBV10_10	-0.004	-0.028	-0.014	0.007	-0.006
TCRBV10_10	-0.006	-0.001	0.016	0.037	-0.025
TCRBV10_12	0.004	-0.008	0.010	-0.001	0.004
TCRBV10_12	0.000	0.000	-0.001	-0.001	-0.000
TCRBV10_15	-0.003	-0.006	0.000	0.012	0.007
TCRBV11_6	0.000	0.013	-0.012	0.027	0.010
TCRBV11_3	-0.007	-0.007	-0.004	-0.001	-0.001
TCRBV11 8	0.022	-0.006	-0.018	-0.011	-0.023 0.007
TCRBV11 9	0.025	0.007	-0.020	-0.002	-0.026
TCRBV11 10	-0.003	0.009	0.002	-0.023	0.004
TCRBV11_11	-0.010	0.004	0.012	-0.008	0.004
TCRBV11 12	-0.013	-0.010	0.022	0.002 -0.002	0.008
TCRBV11 13	-0.005	0.001	0.008	-0.002	-0.002
TCRBV11_14	0.001	0.001	-0.004	-0.001	-0.001
TCRBV11 15	0.000	0.001	-0.001	0.002	-0.006
TCRBV12_4	-0.003	-0.008	-0.001	-0.002	0.011
TCRBV12 5	0.005	0.011	0.006 0.026	-0.004	-0.023
TCRBV12_6	-0.020	0.021	0.008	0.024	-0.021
TCRBV12_7	-0.004	0.029	-0.009	0.005	0.002
TCRBV12_8	0.034	-0.001	-0.014	0.014	-0.009
TCRBV12_9	-0.014	-0.028	-0.015	-0.009	0.026
TCRBV12_10	0.012	0.006 -0.030	-0.002	-0.017	0.016
TCRBV12_11	-0.016	0.001	0.001	-0.008	0.003
TCRBV12_12	0.006	0.006	-0.001	0.003	0.004
TCRBV13_5	0.001	0.001	0.002	0.022	0.005
TCRBV13_6	-0.030 -0.007	-0.006	0.010	0.022	0.012
TCRBV13_7	-0.007	-0.004	0.012	0.006	-0.003
TCRBV13_8	-0.003	-0.047	0.011	0.002	0.008
TCRBV13_9	0.020	- 0.001	0.002	-0.027	-0.018
TCRBV13_10	0.026	0.029	-0.020	-0.005	0.013
TCRBV13_11	0.005	0.011	-0.025	-0.006	-0.016
TCRBV13_12	0.001	0.009	0.009	-0.016	-0.005
TCRBV13_13	-0.000	0.003	0.001	0.002	0.004
TCRBV14_5	0.003	0.001	0.010	-0.002	-0.003
TCRBV14_6	-0.002	-0.007	-0.007	0.011	0.010
TCRBV14_7	0.001	0.004	-0.014	0.009	-0.011
TCRBV14_8	-0.009	-0.020	-0.001	0.008	-0.021
TCRBV14_9	0.009	0.019	-0.007	-0.010	-0.008
TCRBV14_10	0.001	0.000	0.010	-0.022	0.032
TCRBV14_11	-0.003	-0.001	0.009	0.007	-0.002
TCRBV14_12	0.000	0.001	-0.001	-0.002	-0.001
TCRBV14_13 TCRBV15_4	-0.001	-0.005	0.015	0.001	0.006
TCRBV15_5	0.007	0.002	-0.019	-0.020	-0.010
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FIG. 113B

TCRBV15 7	-0.006	0.009	0.023	0.020	-0.039
TCRBV15 8	0.023	-0.022		0.002	0.013
TCRBV15_9	-0.033	0.013	-0.019	-0.021	-0.001
TCRBV15_10	0.005	0.010	-0.036	0.005	0.005
TCRBV15_11	0.007	0.001	-0.014		0.003
	0.001	-0.005	0.001	-0.000	-0.009
TCRBV15_12	0.001	0.004	0.003	0.001	
TCRBV16_5	-0.009	-0.012	0.002	0.023	-0.018
TCRBV16_6	0.022	0.003	0.037	0.021	-0.036
TCRBV16_7	-0.032	-0.013	0.036	-0.020	-0.009
TCRBV16_8	0.018	-0.011	-0.041	-0.011	0.054
TCRBV16_9	0.000	-0.011	0.006	0.020	0.000
TCRBV16_10	0.009	0.001	-0.031	0.000	-0.009
TCRBV16_11	-0.006	0.003	-0.020	0.009	0.052
TCRBV16_12	0.004	-0.003	-0.001	0.002	0.000
TCRBV16_13		-0.001	-0.002	0.001	0.001
TCRBV18_3	0.001	0.008	0.006	0.002	-0.015
TCRBV18_4	0.003	0.012	0.013	-0.007	0.036
TCRBV18_5	-0.001	-0.008	0.018	-0.004	0.009
TCRBV18_6	-0.023	-0.022	0.010	0.035	0.045
TCRBV18_7	0.062	-0.015	0.030	0.008	0.018
TCRBV18_8	0.001	0.013	0.021	-0.018	0.012
TCRBV18_9	0.013	0.015	0.015	-0.003	0.013
TCRBV18_10	0.005	0.022	-0.017	-0.008	0.001
TCRBV18_11	0.007	-0.001	-0.002	0.002	-0.004
TCRBV18_12	-0.000	-0.004	-0.001	0.000	-0.000
TCRBV18_13	-0.003	-0.004	0.001	0.008	0.010
TCRBV20_5	-0.004	0.009	-0.010	0.039	0.010
TCRBV20_6	-0.022	0.003	-0.001	0.004	0.007
TCRBV20_7	-0.013	0.009	-0.008	-0.014	-0.003
TCRBV20_8	0.007	0.007	-0.036	0.018	-0.011
TCRBV20_9	-0.005	-0.020	0.003	-0.032	0.005
TCRBV20_10	-0.014	0.004	0.016	-0.013	-0.023
TCRBV20_11	0.020	0.005	0.007	-0.008	-0.002
TCRBV20_12	0.029	-0.002	0.001	-0.013	-0.009
TCRBV20_13	0.010	-0.002	0.012	0.000	0.005
TCRBV20_14	-0.001	-0.004			
		37	38	39	40
	36	3,			
	0 004	-0.000	-0.003	-0.001	0.003
TCRBV01_6	-0.004	-0.010	0.004	0.017	0.013
TCRBV01_7	-0.001	0.010	-0.008	0.014	0.030
TCRBV01_8	-0.031	-0.015	-0.006	0.056	0.019
TCRBV01_9	0.001	-0.018	0.010	-0.060	0.027
TCRBV01_10	-0.006 0.036	0.023	-0.014	-0.019	-0.043
TCRBV01_11		0.003	0.020	-0.017	-0.026
TCRBV01_12	0.033	0.006	0.006	-0.006	-0.021
TCRBV01_13	0.007	-0.001	-0.000	0.001	0.001
TCRBV01_14	0.001	0.003	0.006	0.021	-0.002
TCRBV02_6	0.001	-0.015	0.011	0.015	-0.007
TCRBV02_7	0.010	-0.023	0.003	-0.029	-0.021
TCRBV02_8	0.004	0.002	0.008	-0.009	0.013
TCRBV02_9	-0.001	-0.021	0.011	0.007	0.002
TCRBV02_10	-0.003	-0.024	-0.035	0.025	0.028
TCRBV02_11	0.007	0.010	0.006	0.017	-0.004
TCRBV02_12	-0.006	0.003	0.001	-0.002	0.004
TCRBV02_13	-0.012	0.003	-0.000	-0.001	-0.000
TCRBV03_4	-0.000	-0.002	-0.001	0.002	0.000
TCRBV03_5	-0.000	0.026	-0.002	-0.015	-0.008
TCRBV03_6	0.014	0.023	-0.003	-0.036	-0.015
TCRBV03_7	0.009	0.003	-0.025	0.001	-0.038
TCRBV03_8	0.002	-0.012	-0.006	0.036	-0.035
TCRBV03_9	-0.020	0.012	0.022	-0.018	0.048
TCRBV03_10	0.017	FIC 1			
			1 / 1		

FIG. 113C

	-0.026	-0.021	0.020	0.017	0.006
TCRBV03_11	0.017	-0.022	0.012	0.010	0.035
TCRBV03_12		0.000	-0.008	-0.009	0.010
TCRBV03_13	0.023	-0.001	0.001	-0.003	0.002
TCRBV04_6	-0.001		0.018	-0.014	0.002
TCRBV04_7	0.009	-0.008	0.007	0.011	-0.001
TCRBV04 8	-0.022	-0.022		0.012	0.036
TCRBV04 9	-0.048	0.000	-0.015	-0.014	0.023
TCRBV04 10	0.017	-0.026	-0.041		0.017
TCRBV04 11	0.013	0.033	-0.018	-0.012	
TCRBV04_12	0.033	-0.020	0.047	0.017	0.006
	0.006	-0.005	-0.008	0.010	-0.052
TCRBV04_13	-0.012	0.051	-0.001	-0.005	-0.003
TCRBV04_14	0.003	-0.001	0.010	-0.002	-0.030
TCRBV04_15		0.012	-0.015	0.007	-0.011
TCRBV051_5	0.005	0.031	-0.016	-0.015	0.029
TCRBV051_6	0.012		-0.020	0.036	0.006
TCRBV051_7	0.010	0.017	0.015	0.009	-0.023
TCRBV051 8	0.014	0.004		0.000	-0.003
TCRBV051 9	-0.037	-0.017	-0.047	0.015	0.005
TCRBV051 10	-0.006	-0.025	0.048	0.006	-0.045
TCRBV051 11	-0.035	-0.030	0.021		-0.015
TCRBV051_12	0.028	0.017	0.032	-0.001	
TCRBV051_13	0.005	-0.001	0.025	0.024	0.022
-	0.019	0.019	0.022	0.026	0.027
TCRBV052_6	0.002	-0.010	-0.048	-0.009	-0.000
TCRBV052_7	0.001	-0.004	0.001	0.005	-0.021
TCRBV052_8		0.034	0.025	0.017	-0.004
TCRBV052_9	-0.011	-0.022	0.018	0.030	0.008
TCRBV052_10	0.007		0.014	0.013	-0.039
TCRBV052_11	-0.013	0.001	0.008	0.002	-0.007
TCRBV052_12	-0.003	-0.011		-0.001	0.003
TCRBV052_13	-0.005	0.001	0.003	-0.007	0.001
TCRBV06_5	0.004	-0.002	0.002	-0.007	-0.005
TCRBV06 6	0.015	-0.016	0.003		-0.019
TCRBV06_7	0.017	-0.017	-0.016	0.004	
TCRBV06_8	0.026	0.021	-0.016	0.001	0.001
	-0.024	0.016	0.007	0.001	0.002
TCRBV06_9	-0.008	0.002	0.035	0.008	-0.031
TCRBV06_10	-0.015	-0.004	-0.004	0.003	0.016
TCRBV06_11	0.021	-0.001	-0.014	-0.017	0.035
TCRBV06_12		-0.001	0.014	-0.005	0.004
TCRBV06_13	0.002	0.003	-0.003	0.001	0.001
TCRBV07_5	-0.001	0.003	0.000	0.007	-0.022
TCRBV07_6	0.012		0.007	0.010	-0.042
TCRBV07_7	-0.014	-0.019	0.007	-0.030	0.000
TCRBV07_8	0.021	0.042		-0.024	0.022
TCRBV07_9	-0.018	0.007	0.018	0.020	0.017
TCRBV07_10	0.021	-0.023	0.002	0.008	0.021
TCRPV07_11	-0.007	-0.028	0.000		0.004
TCRBV07_12	0.023	0.012	-0.019	-0.010	0.002
TCRBV07_13	-0.001	-0.007	-0.003	0.003	
TCRBV081_5	0.005	0.002	0.004	-0.015	-0.008
	0.010	-0.011	0.009	-0.014	-0.002
TCRBV081_6	-0.005	-0.015	-0.004	-0.015	0.003
TCRBV081_7	0.011	-0.000	0.015	0.016	0.033
TCRBV081_8	0.022	-0.000	-0.028	0.017	-0.019
TCRBV081_9		0.019	-0.041	-0.023	0.034
TCRBV081_10	-0.041		0.023	0.009	0.019
TCRBV081_11	0.004	0.017	0.023	0.025	-0.059
TCRBV081_12	-0.005	-0.011	0.022	0.030	0.001
TCRBV082_4	0.008	-0.001		-0.009	-0.007
TCRBV082_5	0.002	0.014	0.016		-0.012
TCRBV082_6	0.022	-0.015	0.004	0.001	0.012
				0.000	0.Ò14
TCRBV082_7	-0.005	0.025	0.006	-0.023	
- .	0.003	-0.035	-0.014	0.006	0.034
TCRBV082_8	-0.008	0.009	-0.016	-0.014	-0.027
TCRBV082_9	-0.018	-0.000	-0.015	0.005	-0.007
TCRBV082_10	5.015	EIC 1	1127		

FIG. 113D

					_
	-0.005	0.003	0.002	0.004	0.005
TCRBV082_11	0.002	-0.000	-0.001	-0.001	0.001
TCRBV083_4	0.023	0.013	0.002	-0.005	0.005
TCRBV083_5	0.005	0.017	-0.000	-0.002	0.012
TCRBV083_6	0.009	0.018	0.005	-0.024	0.000
TCRBV083_7		-0.001	0.005	-0.003	-0.038
TCRBV083_8	-0.019	-0.034	0.000	0.040	0.026
TCRBV083_9	-0.007	-0.012	-0.006	0.016	-0.008
TCRBV083_10	0.003	-0.012	0.003	-0.015	0.003
TCRBV083_11	-0.021	0.006	-0.009	-0.007	0.000
TCRBV083_12	0.007		0.009	-0.003	0.003
TCRBV09_5	0.001	0.001	-0.014	0.009	-0.007
TCRBV09_6	0.010	0.000	-0.003	0.042	-0.025
TCRBV09_7	-0.014	0.011	0.046	-0.001	-0.018
TCRBV09 8	0.002	0.002		-0.019	-0.025
TCRBV09_9	0.005	-0.036	0.045	0.047	0.001
TCRBV09_10	-0.057	0.037	-0.058	-0.016	0.013
TCRBV09 11	0.028	0.008	-0.033	-0.018	0.014
TCRBV09_12	-0.001	-0.008	0.043		-0.021
TCRBV09 13	-0.007	-0.002	0.014	-0.016	0.007
TCRBV09 14	-0.001	-0.004	-0.012	0.006	-0.001
TCRBV09_15	-0.003	0.005	-0.001	-0.004	0.009
TCRBV10 6	0.019	0.001	0.016	0.030	-0.016
TCRBV10_7	-0.021	0.017	0.026	0.033	
TCRBV10_9	0.005	-0.014	-0.011	-0.003	-0.001
TCRBV10_9	-0.014	0.031	0.006	-0.031	-0.009
TCRBV10_10	0.013	-0.009	-0.009	-0.021	0.056
TCRBV10_11	0.001	-0.005	-0.017	0.004	-0.036
TCRBV10_12	-0.004	-0.021	-0.011	-0.011	-0.003
TCRBV10_12	-0.000	0.001	-0.000	-0.001	-0.000
TCRBV10_15	0.006	-0.004	0.004	-0.000	-0.006
TCRBV11_6	0.018	-0.000	-0.007	0.011	-0.024
TCRBV11_7	0.024	-0.021	-0.020	0.017	-0.002
TCRBV11_8	0.035	-0.038	-0.016	-0.029	0.015
TCRBV11_9	0.013	0.003	-0.021	-0.001	-0.015
TCRBV11_10	0.002	0.019	0.024	-0.002	0.008
TCRBV11_11	-0.014	0.005	0.008	0.003	0.012
TCRBV11 12	-0.029	0.024	0.041	-0.007	0.018 -0.002
TCRBV11_13	-0.017	0.003	-0.002	-0.004	-0.001
TCRBV11_14	-0.000	0.004	-0.001	-0.003	-0.000
TCRBV11 15	-0.000	0.001	-0.000	-0.001	-0.015
TCRBV12_4	-0.007	0.003	-0.006	0.017	-0.010
TCRBV12_5	0.002	-0.016	0.008	0.001	-0.008
TCRBV12_6	-0.004	0.008	0.023	-0.010	0.021
TCRBV12_7	-0.006	0.025	0.017	0.001	0.032
TCRBV12_8	0.022	0.034	0.006	0.003	-0.002
TCRBV12_9	-0.006	-0.035	-0.012	-0.007	0.026
TCRBV12_10	-0.010	-0.023	0.027	-0.023	-0.021
TCRBV12_11	0.013	0.006	-0.040	0.009	-0.022
TCRBV12_12	-0.003	-0.003	-0.022	0.010	-0.004
TCRBV13_5	0.007	0.003	-0.001	-0.002	0.006
TCRBV13_6	0.018	0.014	-0.013	0.017	-0.018
TCRBV13_7	0.050	0.006	-0.008	0.006	-0.027
TCRBV13_8	-0.048	-0.034	0.013	-0.070	0.068
TCRBV13_9	-0.023	0.026	0.021	0.038	0.011
TCRBV13_10	0.000	0.004	0.006	0.007	-0.015
TCRBV13_11	-0.001	-0.009	-0.024	-0.002	0.006
TCRBV13_12	0.006	-0.007	-0.008	0.002	-0.025
TCRBV13_12	-0.009	-0.002	0.015	0.005	-0.006
TCRBV13_13	0.000	-0.001	-0.003	-0.003	0.004
TCRBV14_5	0.010	-0.005	0.005	-0.010	-0.013
TCRBV14_5	0.004	0.001	-0.002	0.013	0.044
TCRBV14_7	-0.012	-0.000	-0.003	-0.010	-0.039
TCRBV14_8 TCRBV14_9	-0.004	0.021	0.014	-0.048	0.014
TCRBV14_10	0.006	-0.037	-0.023	0.047	0.014
- C.C. V = 1_=0		TITO 1	111		

FIG. 114A

•					
		0.018	0.014	0.016	-0.011
TCRBV14_11	0.001		0.000	-0.003	0.007
TCRBV14_12	-0.005	0.001	-0.001	-0.002	0.000
TCRBV14 13	0.000	0.001	0.000	-0.001	0.001
TCRBV15_4	-0.011	-0.000		0.006	-0.001
	0.007	-0.008	0.011	-0.029	-0.000
TCRBV15_5	-0.029	-0.011	-0.011		0.010
TCRBV15_6	0.014	0.039	-0.007	-0.011	0.019
TCRBV15_7	0.022	-0.048	-0.005	-0.045	
TCRBV15_8		0.003	-0.003	0.014	-0.034
TCRBV15_9	-0.025	0.022	0.023	0.039	0.012
TCRBV15_10	0.031		0.002	0.010	-0.003
TCRBV15_11	0.026	0.007		0.003	-0.001
TCRBV15 12	0.002	-0.007	0.000	0.006	-0.012
_	0.002	0.002	0.006	-0.007	-0.001
TCRBV16_5	0.015	0.008	-0.025		-0.014
TCRBV16_6	0.029	0.025	0.057	0.062	0.013
TCRBV16_7	0.007	-0.042	0.011	0.037	
TCRBV16_8		0.005	0.016	-0.027	0.007
TCRBV16_9	0.001	0.045	0.007	0.007	-0.008
TCRBV16_10	-0.028		-0.039	0.001	-0.011
TCRBV16_11	-0.011	-0.021	0.014	-0.009	-0.010
TCRBV16_12	0.021	-0.019	0.005	-0.001	0.004
TCRBV16_13	-0.002	0.002		0.003	-0.000
	-0.001	0.001	0.000	0.000	0.007
TCRBV18_3	0.009	-0.002	-0.011		-0.008
TCRBV18_4	0.002	0.003	-0.019	0.004	0.009
TCRBV18_5	-0.018	0.008	0.014	-0.006	
TCRBV18_6		0.031	-0.046	0.015	-0.029
TCRBV18_7	0.020	-0.024	-0.019	0.010	0.007
TCRBV18 8	0.030	0.018	-0.014	-0.013	0.050
TCRBV18_9	0.004		0.013	-0.027	-0.014
TCRBV18 10	0.004	0.011	0.013	0.003	0.001
TCRBV18_11	0.011	0.001	0.001	-0.001	0.002
TCRBV18_12	-0.002	-0.001	-0.001	-0.009	-0.007
TCRBV18_13	0.003	0.001		-0.007	-0.005
	0.002	-0.006	0.002	0.001	0.003
TCRBV20_5	0.012	-0.016	0.004	-0.002	-0.026
TCRBV20_6	0.019	0.009	-0.029		-0.008
TCRBV20_7	0.009	0.007	0.004	0.018	0.017
TCRBV20_8	-0.050	-0.002	0.004	0.012	0.049
TCRBV20_9		-0.010	0.020	0.013	
TCRBV20_10	0.015	0.017	-0.041	-0.023	-0.011
TCRBV20 11	0.014	-0.000	0.031	-0.038	-0.018
TCRBV20 12	0.008		0.015	0.012	0.001
TCRBV20_13	0.018	0.000	0.000	-0.001	0.001
TCRBV20_14	-0.009	-0.000	0.000		
10.00 12 12		0_	43	44	45
	41	42	42		
			0.005	0.001	0.003
mannyini 6	-0.001	0.004	-0.005	-0.012	0.001
TCRBV01_6	0.017	-0.018	-0.033	0.053	-0.006
TCRBV01_7	-0.011	-0.048	-0.017		-0.022
TCRBV01_8	0.018	0.015	0.014	-0.056	-0.036
TCRBV01_9		0.017	0.031	0.027	
TCRBV01_10	-0.020	0.007	-0.003	-0.046	-0.010
TCRBV01_11	0.026	0.019	-0.000	0.008	0.052
TCRBV01_12	0.001		0.009	0.005	0.011
TCRBV01_13	-0.000	0.009	0.001	-0.001	-0.001
TCRBV01_14	0.001	0.000		0.000	-0.001
TCKBV01_11	0.014	-0.027	0.021	-0.033	0.004
TCRBV02_6	-0.003	-0.017	0.004	-0.012	-0.026
TCRBV02_7	0.009	0.046	-0.043	0.024	0.013
TCRBV02_8	0.002	-0.002	-0.002		0.003
TCRBV02_9	-0.003	-0.024	-0.003	0.001	-0.043
TCRBV02_10		-0.012	0.024	-0.014	
TCRBV02_11	-0.000	0.010	-0.047	0.002	-0.010
TCRBV02_12	0.025	-0.012	-0.002	0.000	-0.014
TCRBV02_13	0.001		0.001	0.001	0.002
TCRBV03_4	-0.001	0.001	0.001	-0.000	0.003
TCRBV03_5	-0.002	0.002	5.001		
10.00,00_0	ר	DT (1 1	1 / D		

FIG. 114B

				0.000	0.006
TCRBV03 6	0.014	-0.012	0.039	0.026	0.008
TCRBV03 7	0.024	-0.030	0.049	-0.043	-0.006
TCRBV03 8	0.002	0.018	0.017	0.024	
TCRBV03 9	-0.025	-0.022	-0.020	0.003	-0.022
TCRBV03 10	0.020	0.009	-0.009	-0.006	0.009
TCRBV03_11	-0.019	0.040	-0.041	0.008	0.027
TCRBV03_11	-0.008	0.026	-0.020	-0.001	0.007
	0.025	-0.026	-0.019	-0.031	-0.044
TCRBV03_13	0.003	0.004	0.003	0.001	-0.010
TCRBV04_6	0.010	0.005	0.037	0.016	-0.003
TCRBV04_7	-0.005	0.035	-0.021	-0.012	0.013
TCRBV04_8		0.037	0.004	0.056	-0.074
TCRBV04_9	-0.001	-0.002	-0.022	-0.022	0.084
TCRBV04_10	-0.021	-0.059	0.028	-0.027	0.010
TCRBV04_11	0.003		-0.005	-0.032	0.004
TCRBV04_12	-0.006	-0.010	-0.054	-0.023	-0.024
TCRBV04_13	0.015	-0.010	0.030	0.033	0.031
TCRBV04_14	0.005	-0.006		0.010	-0.031
TCRBV04_15	-0.005	0.006	0.001	-0.018	0.029
TCRBV051_5	-0.018	0.012	0.025	0.027	0.026
TCRBV051_6	-0.024	0.020	0.047	0.048	-0.031
TCRBV051_7	-0.052	0.009	-0.015	-0.028	0.005
TCRBV051 8	-0.020	-0.021	0.007	0.012	-0.003
TCRBV051 9	0.006	-0.038	-0.037	-0.006	0.047
TCRBV051 10	0.051	0.009	0.007		-0.009
TCRBV051 11	0.063	-0.022	0.011	0.046	-0.087
TCRBV051_12	-0.053	0.025	-0.052	-0.038	0.021
TCRBV051_13	-0.011	0.014	0.051	-0.031	0.025
TCRBV052 6	-0.006	-0.026	0.020	0.022	-0.048
TCRBV052_7	-0.019	-0.008	-0.002	0.032	-0.003
TCRBV052_8	0.003	-0.030	0.023	0.019	-0.046
TCRBV052_9	0.015	0.040	0.027	-0.013	0.029
TCRBV052_10	-0.052	-0.002	-0.030	-0.015	0.029
TCRBV052 11	0.015	0.008	-0.014	-0.020	0.022
TCRBV052_12	-0.016	0.014	0.008	-0.015	-0.015
TCRBV052 13	0.001	0.011	0.009	0.001	0.003
TCRBV06_5	0.015	-0.016	0.009	-0.006	0.005
TCRBV06 6	0.008	-0.010	-0.009	0.002	-0.001
TCRBV06_7	0.017	0.004	-0.010	-0.014	-0.005
TCRBV06 8	0.003	0.013	-0.046	0.029	0.016
TCRBV06 9	-0.015	-0.043	-0.046	-0.028 0.005	-0.051
TCRBV06_10	0.003	-0.014	0.075		0.036
TCRBV06_11	-0.010	0.040	0.039	-0.028 0.021	-0.003
TCRBV06 12	0.008	0.026	-0.024		-0.009
TCRBV06 13	0.002	0.006	0.008	-0.001 0.008	0.010
TCRBV07_5	-0.006	-0.007	0.002	0.010	-0.023
TCRBV07_6	0.038	-0.007	-0.009	0.039	-0.001
TCRBV07_7	0.009.	-0.001	-0.008	-0.028	0.030
TCRBV07_8	-0.010	-0.028	0.002	0.005	-0.005
TCRBV07 9	-0.004	-0.005	-0.011	-0.033	0.019
TCRBV07_10	0.008	_ 0.009	0.011	-0.033	-0.005
TCRBV07 11	0.000	0.027	0.017	0.013	-0.035
TCRBV07_12	-0.006	0.016	-0.005	-0.002	0.001
TCRBV07 13	0.000	0.000	-0.002	0.007	0.015
TCRBV081_5	-0.009	0.004	0.002	0.027	-0.009
TCRBV081_6	-0.027	0.010	0.024		-0.000
TCRBV081_7	0.013	-0.027	-0.018	-0.031	-0.036
TCRBV081 8	-0.047	-0.002	-0.028	-0.064	-0.008
TCRBV081_9	0.036	0.013	0.010	0.047	0.008
TCRBV081_10	0.010	0.011	-0.002	-0.001	0.002
TCRBV081_11	0.021	-0.002	-0.001	-0.006	0.028
TCRBV081_12	0.002	-0.008	0.013	0.021	-0.013
TCRBV082_4	0.010	-0.011	0.016	0.007	0.018
TCRBV082_5	-0.002	0.005	-0.014	0.011	-0.020
TCRBV082_6	-0.010	0.001	0.001	-0.007	0.020
			1110		

FIG. 114C

		0.000	-0.003	-0.078	-0.037
TCRBV082_7	-0.003	0.001	0.030	-0.005	-0.081
TCRBV082_8	-0.006	0.005	-0.040	0.042	0.050
TCRBV082_9	-0.009 0.010	0.015	0.016	0.035	0.022
TCRBV082_10	0.010	-0.016	-0.007	-0.006	0.060
TCRBV082_11	0.002	-0.002	-0.001	-0.003	-0.003
TCRBV083_4	0.014	0.044	-0.015	0.011	0.015
TCRBV083_5	-0.013	-0.005	-0.013	0.001	0.001
TCRBV083_6	-0.004	0.006	-0.034	0.013	-0.022
TCRBV083_7	-0.010	-0.036	0.033	-0.016	0.003
TCRBV083_8		-0.002	0.030	-0.028	0.000
TCRBV083_9	-0.025	-0.028	0.035	-0.013	-0.011
TCRBV083_10	-0.001	0.020			
	-0.005	-0.002	-0.015	0.020	0.003
TCRBV083_11	0.040	0.025	-0.020	0.015	0.014
TCRBV083_12	0.040	0.001	0.002	0.004	-0.000
TCRBV09_5	0.010	0.012	-0.019	0.040	0.015
TCRBV09_6	0.010	-0.044	-0.042	-0.060	-0.051
TCRBV09_7	0.000	-0.005	-0.024	0.017	-0.003
TCRBV09_8	0.031	-0.015	0.017	0.049	0.005
TCRBV09_9	0.054	0.080	-0.059	-0.049	0.019
TCRBV09_10	0.006	-0.030	-0.013	-0.014	0.025
TCRBV09_11	-0.047	-0.023	-0.080	0.040	0.007
TCRBV09_12	-0.028	-0.022	0.042	-0.005	0.021
TCRBV09_13	-0.028	0.000	0.029	-0.026	0.007
TCRBV09_14	-0.011	-0.007	0.012	-0.002	-0.004
TCRBV09_15	-0.011	-0.024	-0.001	0.021	0.012
TCRBV10_6	-0.012	0.035	0.034	-0.017	0.017
TCRBV10_7	-0.030	0.024	0.016	-0.037	-0.007
TCRBV10_8	-0.011	-0.027	-0.018	-0.010	0.025
TCRBV10_9	0.071	-0.025	-0.030	0.000	-0.034
TCRBV10_10	0.007	0.029	0.010	0.041	0.012
TCRBV10_11	0.009	-0.012	-0.011	0.002	-0.026
TCRBV10_12	-0.001	0.000	0.001	0.000	0.001
TCRBV10_13	0.005	0.001	0.014	0.013	-0.011
TCRBV11_5	-0.004	-0.017	0.015	-0.031	0.019
TCRBV11_6	-0.001	0.020	0.015	0.014	0.022
TCRBV11_7	-0.004	-0.020	0.019	0.010	0.031
TCRBV11_8	-0.004	0.006	-0.042	-0.005	0.004 0.001
TCRBV11_9	-0.002	0.030	-0.013	0.005	-0.020
TCRBV11_10	0.022	-0.001	0.006	0.002	-0.052
TCRBV11_11	0.023	-0.003	-0.014	-0.024	-0.010
TCRBV11_12	0.004	-0.011	-0.006	-0.006	
TCRBV11_13	-0.002	0.002	0.003	0.002	0.004
TCRBV11_14 TCRBV11_15	-0.001	0.001	0.001	0.001	0.004
TCRBV12_4	0.012	0.005	0.002	-0.015	-0.006
TCRBV12_5	0.020	0.007	-0.016	-0.007 -0.028	0.018
TCRBV12_6	-0.010	-0.012	0.010	0.017	-0.035
TCRBV12_7	-0.022	-0.018	0.059	0.029	0.024
TCRBV12_/	0.008	0.025	-0.020	-0.001	-0.008
TCRBV12_9	-0.017	0.011	-0.023	-0.001	-0.014
TCRBV12_10	0.035	0.001	0.003	-0.003	0.010
TCRBV12_11	-0.014	0.015	-0.003	0.010	0.006
TCRBV12_11	-0.014	0.017	-0.012	-0.014	0.001
TCRBV12_12	0.001	0.009	0.003	0.003	-0.011
TCRBV13_5	0.015	-0.034	0.041	0.005	-0.022
-	0.008	-0.034	-0.039	-0.011	-0.008
TCRBV13_7 TCRBV13_8	-0.030	0.048	-0.009	0.011	0.026
TCRBV13_0	0.007	0.014	-0.032	-0.038	-0.009
TCRBV13_9 TCRBV13_10	0.047	0.001	0.002	0.032	-0.008
TCRBV13_10 TCRBV13_11	-0.028	0.003	0.009	-0.008	0.003
TCRBV13_11	-0.003	-0.010	0.012	-0.008	0.027
TCRBV13_12 TCRBV13_13	-0.017	0.004	0.014	0.006	-0.002
TCRBV13_13	-0.006	0.006	-0.008	0.008	0.032
TOVDATA_2		TIC	11/D		

FIG. 114D

TCRBV14 6	0.013	-0.005	0.017	0.004	-0.027
TCRBV14 7	0.007	0.018	-0.063	0.031	0.009
TCRBV14 8	0.016	0.011	0.038	-0.045	0.002
TCRBV14 9	-0.004	-0.003	0.016	-0.002	0.012
TCRBV14 10	-0.030	0.010	0.024	-0.015	0.021
TCRBV14 11	0.016	0.013	0.001	0.025	-0.007
TCRBV14 12	-0.013	-0.014	-0.024	-0.005	-0.009
TCRBV14 13	0.000	0.000	0.000	0.000	0.001
TCRBV15 4	0.003	-0.013	-0.005	-0.006	-0.014
TCRBV15 5	0.031	0.006	0.012	0.003	0.032
TCRBV15 6	-0.006	-0.012	0.009	-0.042	-0.031
TCRBV15 7	-0.021	-0.003	-0.009	-0.004	-0.040
TCRBV15 8	0.021	0.033	-0.003	0.003	0.049
TCRBV15 9	-0.030	-0.001	0.008	-0.012	-0.010
TCRBV15 10	-0.010	-0.011	0.013	0.056	0.005
TCRBV15 11	0.046	0.003	-0.019	-0.022	0.002
TCRBV15 12	-0.003	0.003	-0.009	0.004	-0.002
TCRBV16 5	0.007	0.006	0.011	-0.005	0.018
TCRBV16 6	0.015	0.036	0.034	-0.018	0.027
TCRBV16 7	0.001	0.061	0.016	0.043	-0.038
TCRBV16_8	0.027	-0.075	-0.031	-0.021	0.032
TCRBV16 9	0.022	0.031	0.020	0.017	-0.015
TCRBV16 10	-0.068	-0.048	-0.027	-0.004	-0.013
TCRBV16 11	-0.018	-0.043	0.014	0.037	-0.007
TCRBV16 12	-0.011	0.040	0.002	-0.058	-0.023
TCRBV16_13	-0.002	0.004	0.001	-0.000	0.010
TCRBV18 3	0.002	-0.003	-0.005	-0.004	-0.000
TCRBV18 4	0.014	0.020	-0.008	0.011	-0.014
TCRBV18 5	0.015	0.045	0.030	0.026	-0.038
TCRBV18 6	0.017	0.049	0.044	0.009	0.046
TCRBV18 7	0.007	-0.026	0.010	-0.044	0.043
TCRBV18 8	-0.054	-0.020	-0.004	0.017	-0.071
TCRBV18 9	0.025	-0.018	0.015	0.016	0.044
TCRBV18 10	0.056	0.034	-0.023	-0.046	-0.009
TCRBV18 11	-0.002	0.035	-0.028	0.019	-0.034
TCRBV18 12	0.001	0.000	-0.003	-0.001	0.007
TCRBV18 13	-0.007	0.002	0.001	0.003	0.010
TCRBV20_5	0.012	0.004	0.013	0.007	-0.014
TCRBV20 6	0.051	-0.025	-0.015	0.063	-0.029 -0.041
TCRBV20_7	0.023	0.041	0.023	-0.029	0.087
TCRBV20_8	-0.050	0.054	-0.046	-0.015	0.030
TCRBV20_9	0.017	-0.065	0.036	0.010	0.004
TCRBV20_10	-0.014	0.028	-0.014	0.030	-0.034
TCRBV20_11	-0.007	0.022	0.041	-0.006 -0.073	-0.013
TCRBV20_12	-0.009	-0.024	-0.011	-0.073 -0.003	0.010
TCRBV20_13	0.007	-0.018	-0.026 -0.004	-0.005	-0.011
TCRBV20_14	0.002	-0.011	-0.004	0.003	• • • • • • • • • • • • • • • • • • • •
		477	48	49	50
	46	47	40		
		0.003	-0.023	-0.003	-0.020
TCRBV01_6	-0.014	0.037	-0.012	-0.004	0.004
TCRBV01_7	0.002	0.016	-0.015	0.012	0.009
TCRBV01_8	0.008	-0.008	0.021	-0.048	-0.014
TCRBV01_9	0.010	0.041	-0.006	-0.089	-0.003
TCRBV01_10	-0.039 -0.017	-0.024	0.009	0.082	0.009
TCRBV01_11	-0.017	0.000	-0.026	0.037	-0.015
TCRBV01_12	0.024	-0.022	0.017	0.016	0.001
TCRBV01_13	0.015	0.002	0.001	0.000	-0.000
TCRBV01_14	-0.001 -0.005	0.036	-0.004	-0.077	0.076
TCRBV02_6	0.016	-0.003	-0.002	-0.024	0.046
TCRBV02_7	0.042	-0.025	0.032	0.099	-0.019
TCRBV02_8	-0.043	0.005	-0.037	0.009	-0.084
TCRBV02_9	0.029	-0.029	-0.034	-0.016	-0.026
TCRBV02_10	0.025	- -			

	2 251	-0.007	-0.053	-0.033	-0.008
TCRBV02_11	-0.051	-0.029	0.043	-0.010	-0.001
TCRBV02_12	0.003	0.011	-0.012	-0.001	-0.001
TCRBV02_13	0.004 0.000	0.001	0.002	0.001	0.000
TCRBV03_4	-0.010	0.001	0.001	-0.002	-0.001
TCRBV03_5	0.015	0.008	-0.095	0.047	-0.075
TCRBV03_6	-0.009	-0.004	0.002	-0.030	-0.015
TCRBV03_7	-0.022	-0.006	-0.014	0.009	0.028
TCRBV03_8	-0.003	0.002	0.005	-0.014	0.080 -0.032
TCRBV03_9	0.045	0.043	0.057	-0.041	0.010
TCRBV03_10	-0.030	0.029	0.033	0.022	0.029
TCRBV03_11	0.010	-0.013	-0.002	0.020	-0.054
TCRBV03_12	-0.007	-0.022	-0.023	-0.011 0.002	-0.011
TCRBV03_13 TCRBV04_6	0.012	0.006	0.003	-0.028	0.008
TCRBV04_3	0.001	0.045	0.030	0.032	0.000
TCRBV04_7	0.024	0.016	-0.002	-0.032	0.019
TCRBV04_9	0.017	-0.057	0.008	-0.012	0.031
TCRBV04_10	0.055	0.016	-0.019	0.005	-0.040
TCRBV04_11	-0.008	-0.028	-0.014 -0.038	0.104	0.022
TCRBV04_12	-0.021	-0.016	0.028	-0.066	0.010
TCRBV04_13	-0.077	0.027	0.028	0.011	-0.071
TCRBV04 14	0.001	0.021	-0.004	-0.019	0.033
TCRBV04_15	-0.005	-0.030	-0.010	0.040	0.014
TCRBV051_5	-0.021	-0.040	-0.050	-0.077	0.006
TCRBV051_6	0.005	0.007	0.070	0.019	-0.065
TCRBV051_7	-0.048	-0.005 0.005	0.084	0.003	-0.018
TCRBV051_8	-0.005	-0.065	-0.025	0.022	0.008
TCRBV051_9	0.047	0.029	0.009	-0.012	0.007
TCRBV051_10	-0.060	-0.010	-0.031	-0.029	0.044
TCRBV051_11	-0.028 0.036	0.031	-0.031	0.025	0.053
TCRBV051_12	0.022	-0.036	-0.019	0.024	0.024
TCRBV051_13	0.018	-0.005	0.014	-0.061	-0.002
TCRBV052_6	-0.018	-0.024	0.054	0.023	0.029 -0.010
TCRBV052_7	0.006	0.007	-0.052	0.021	0.046
TCRBV052_8 TCRBV052_9	-0.039	0.003	-0.036	0.004 -0.065	-0.017
TCRBV052_10	-0.008	-0.035	0.027	0.049	-0.026
TCRBV052_11	-0.031	-0.027	-0.019	0.038	0.067
TCRBV052_12	0.001	-0.003	0.007	0.007	-0.014
TCRBV052_13	0.020	0.001	0.001 -0.004	-0.008	-0.022
TCRBV06_5	0.009	0.007	-0.031	-0.022	0.006
TCRBV06_6	0.006	0.007	0.003	0.016	0.024
TCRBV06_7	0.044	0.021 -0.007	0.006	0.003	0.000
TCRBV06_8	-0.018	-0.020	-0.022	0.028	0.036
TCRBV06_9	0.008	-0.027	0.042	0.014	-0.028
TCRBV06_10	0.053 -0.010	0.012	-0.031	-0.017	0.037
TCRBV06_11	-0.015	0.045	-0.024	-0.023	-0.020
TCRBV06_12	-0.017	0.001	0.025	0.011	-0.063 -0.041
TCRBV06_13	-0.000	-0.005	0.016	0.022	-0.019
TCRBV07_5	0.007	0.032	0.000	0.019	-0.016
TCRBV07_6	-0.012	0.017	-0.008	-0.067	0.066
TCRBV07_7	0.050	-0.014	0.030	-0.044 0.091	-0.011
TCRBV07_8 TCRBV07_9	-0.023	0.006	-0.039	-0.005	0.012
TCRBV07_3	-0.001	-0.008	-0.052	-0.028	0.032
TCRBV07_10	-0.015	0.003	0.001	0.023	-0.046
TCRBV07_12	-0.001	0.006	0.018	-0.007	-0.005
TCRBV07_13	-0.016	0.002	-0.001	-0.006	0.006
TCRBV07_15	-0.006	-0.016	-0.013	-0.057	-0.077
TCRBV081_6	-0.018	-0.001	0.013 -0.001	0.004	0.007
TCRBV081_7	-0.021	-0.014	-0.025	-0.002	0.013
TCRBV081_8	0.024	-0.038	-0.053	0.026	0.041
TCRBV081_9	0.014	0.035 -0.024	-0.024	0.017	0.027
TCRBV081_10	-0.021	-0.024	0.021		
			115D		

FIG. 115B

			0.022	0.024	0.020
TCRBV081_11	0.004	0.041	0.022	-0.006	-0.035
TCRBV081_12	0.024	0.017	0.072	0.021	-0.001
TCRBV082_4	-0.009	-0.063 0.022	0.009	-0.015	0.034
TCRBV082_5	-0.033	-0.026	0.070	0.018	0.100
TCRBV082_6	-0.013	0.026	-0.065	-0.053	-0.084
TCRBV082_7	-0.033	-0.003	-0.041	0.064	-0.041
TCRBV082_8	-0.029 0.056	0.002	-0.016	-0.015	-0.005
TCRBV082_9	0.038	0.030	-0.033	-0.047	-0.014
TCRBV082_10	0.023	0.011	0.005	0.027	0.010
TCRBV082_11	-0.000	-0.002	-0.002	-0.001	-0.005
TCRBV083_4	0.006	0.013	0.069	0.050	0.031
TCRBV083_5 TCRBV083_6	-0.023	-0.004	0.009	0.005	0.076 -0.037
TCRBV083_0	-0.010	-0.027	-0.047	-0.007	0.006
TCRBV083_8	-0.012	0.006	0.040	-0.042	-0.056
TCRBV083_9	-0.015	0.007	-0.020	0.010 -0.037	-0.040
TCRBV083 10	0.035	-0.029	0.045	-0.043	0.054
TCRBV083 11	0.012	-0.027	-0.035	0.065	-0.030
TCRBV083_12	0.007	0.063	-0.058 -0.006	0.000	-0.005
TCRBV09_5	0.010	0.005	-0.014	-0.055	0.031
TCRBV09_6	0.044	-0.002	-0.051	-0.025	-0.053
TCRBV09_7	0.055	0.052 0.032	-0.039	0.053	0.008
TCRBV09_8	-0.034	-0.048	-0.066	-0.053	0.063
TCRBV09_9	-0.032	-0.062	0.047	-0.036	0.009
TCRBV09_10	0.005 0.021	-0.029	0.038	-0.010	-0.046
TCRBV09_11	0.004	-0.123	0.013	-0.005	-0.071
TCRBV09_12	-0.026	0.001	-0.007	0.014	-0.005
TCRBV09_13	0.018	0.011	-0.046	0.020	0.033
TCRBV09_14					0 012
TCRBV09_15	0.003	0.032	-0.044	0.022	0.012 -0.014
TCRBV10 6	-0.004	-0.017	0.048	-0.058	-0.086
TCRBV10_3	0.014	0.004	-0.039	-0.005 0.030	-0.026
TCRBV10 8	0.039	0.044	0.065	0.037	0.098
TCRBV10 9	-0.067	0.016	-0.005	-0.059	0.027
TCRBV10_10	0.003	-0.079	0.014 -0.052	0.030	-0.012
TCRBV10_11	-0.004	0.014	-0.032	0.025	0.012
TCRBV10_12	0.018	0.017 0.001	0.001	0.001	0.000
TCRBV10_13	0.000	0.001	0.016	-0.018	-0.052
TCRBV11_5	-0.005 0.002	-0.018	0.003	-0.039	-0.042
TCRBV11_6	0.002	-0.017	0.013	0.003	-0.053
TCRBV11_7	0.004	-0.008	0.010	0.006	0.085
TCRBV11_8 TCRBV11 9	0.026	0.011	-0.060	0.062	-0.017
TCRBV11_10	-0.046	0.004	-0.041	-0.038	0.033 0.043
TCRBV11_10	-0.037	0.058	0.021	0.038	-0.028
TCRBV11_12	0.021	-0.022	-0.000	-0.019 0.002	0.002
TCRBV11_13	0.001	0.021	-0.001	0.002	0.001
TCRBV11_14	0.000	0.002	0.004	0.001	0.000
TCRBV11_15	0.000	0.001	0.001 0.014	0.002	0.026
TCRBV12_4	-0.011	0.018	0.014	0.003	0.010
TCRBV12_5	0.035	0.006	-0.019	0.018	0.007
TCRBV12_6	0.016	0.007 0.015	0.025	0.047	-0.023
TCRBV12_7	-0.012	0.016	0.074	0.068	0.001
TCRBV12_8	-0.000	0.001	-0.104	0.012	-0.041
TCRBV12_9	0.016	0.001	0.050	-0.035	0.057
TCRBV12_10	-0.002 -0.014	-0.068	-0.027	-0.047	0.030
TCRBV12_11	-0.014 -0.028	-0.003	-0.036	-0.067	-0.067
TCRBV12_12	0.007	-0.006	0.003	0.004	-0.003
TCRBV13_5	-0.041	-0.010	0.007	0.049	0.058
TCRBV13_6	-0.005	0.044	0.016	-0.039	-0.054
TCRBV13_7 TCRBV13_8	-0.024	0.027	0.085	0.021	-0.044 0.044
TCRBV13_8	0.021	0.021	0.015	0.006	0.044
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TCRBV13 10	0.025	-0.006	-0.061	-0.018	-0.042
				0.021	0.018
TCRBV13_11	0.019	-0.040	-0.045		
TCRBV13 12	0.001	-0.006	-0.012	0.016	0.002
TCRBV13 13	-0.003	-0.024	-0.009	-0.059	0.022
_				0.001	0.010
TCRBV14_5	0.001	-0.006	-0.002		
TCRBV14 6	0.028	-0.008	0.046	0.011	-0.040
_		0.028	-0.029	-0.014	0.015
TCRBV14_7	-0.041				
TCRBV14 8	-0.046	0.009	0.021	-0.014	0.024
TCRBV14 9	0.008	-0.111	-0.043	-0.066	0.011
			-0.006	0.084	-0.018
TCRBV14_10	-0.048	0.004			
TCRBV14 11	0.085	0.049	0.017	0.024	-0.008
TCRBV14 12	0.013	0.032	-0.006	-0.026	0.007
_				0.001	-0.001
TCRBV14_13	0.001	0.002	0.001		
TCRBV15 4	0.003	0.015	-0.011	-0.006	0.007
TCRBV15 5	-0.006	-0.029	-0.035	-0.025	-0.068
				0.023	-0.047
TCRBV15_6	-0.009	0.039	-0.004		
TCRBV15 7	0.008	0.046	-0.055	-0.020	0.079
	-0.015	0.002	0.017	0.036	-0.031
TCRBV15_8				0.010	0.015
TCRBV15_9	-0.020	-0.040	0.039		
TCRBV15 10	0.010	-0.014	0.014	0.036	0.042
_	0.041	0.016	-0.007	-0.047	-0.050
TCRBV15_11					
TCRBV15_12	-0.023	0.003	0.007	-0.005	0.025
TCRBV16 5	0.005	0.018	0.007	-0.056	0.049
_	0.021	-0.006	0.001	0.025	0.083
TCRBV16_6					
TCRBV16_7	-0.020	-0.102	-0.058	0.001	-0.017
TCRBV16_8	-0.028	0.010	0.002	0.006	-0.064
	-0.008	0.004	0.001	0.002	0.014
TCRBV16_9					
TCRBV16 10	-0.020	0.047	-0.008	0.011	-0.032
TCRBV16 11	-0.026	0.044	0.047	-0.004	-0.001
_		-0.049	-0.032	0.025	-0.005
TCRBV16_12	0.006				
TCRBV16 13	0.007	-0.011	0.001	0.007	0.018
TCRBV18 3	0.004	-0.007	0.000	-0.005	-0.006
_			0.044	-0.043	0.000
TCRBV18_4	0.048	-0.024			
	0.050	0 000	-0.013		0.045
TCRBV18 5	0.050	-0.002	0.013	0.049	
TCRBV18_5	0.050 0.045				-0.032
TCRBV18_6	0.045	0.068	0.008	-0.047	-0.032
	0.045 -0.122	0.068 -0.018	0.008 0.030	-0.047 0.007	-0.032 -0.003
TCRBV18_6	0.045	0.068	0.008	-0.047	-0.032 -0.003 0.004
TCRBV18_6 TCRBV18_7 TCRBV18_8	0.045 -0.122 0.047	0.068 -0.018 0.053	0.008 0.030 0.013	-0.047 0.007	-0.032 -0.003
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9	0.045 -0.122 0.047 -0.035	0.068 -0.018 0.053 -0.049	0.008 0.030 0.013 0.001	-0.047 0.007 -0.067 0.011	-0.032 -0.003 0.004 -0.023
TCRBV18_6 TCRBV18_7 TCRBV18_8	0.045 -0.122 0.047 -0.035 -0.031	0.068 -0.018 0.053 -0.049 -0.035	0.008 0.030 0.013 0.001 0.067	-0.047 0.007 -0.067 0.011 0.012	-0.032 -0.003 0.004 -0.023 -0.086
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9	0.045 -0.122 0.047 -0.035	0.068 -0.018 0.053 -0.049	0.008 0.030 0.013 0.001	-0.047 0.007 -0.067 0.011	-0.032 -0.003 0.004 -0.023 -0.086 -0.019
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11	0.045 -0.122 0.047 -0.035 -0.031 -0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006	0.008 0.030 0.013 0.001 0.067 0.032	-0.047 0.007 -0.067 0.011 0.012	-0.032 -0.003 0.004 -0.023 -0.086
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001	0.008 0.030 0.013 0.001 0.067 0.032 0.002	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001	-0.032 -0.003 0.004 -0.023 -0.086 -0.019
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001	0.008 0.030 0.013 0.001 0.067 0.032 0.002	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001	0.008 0.030 0.013 0.001 0.067 0.032 0.002	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_13	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_13	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.002	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_13	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_13	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.002	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_13 TCRBV20_14	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.002	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_13 TCRBV20_14 TCRBV01_6	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023 0.004	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.001	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_14 TCRBV20_14 TCRBV20_14	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023 0.004 0.002	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.012	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010 -0.005	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016 0.006
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_13 TCRBV20_14 TCRBV01_6	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023 0.004	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.001	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010 -0.005	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016 0.006
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_14 TCRBV20_14 TCRBV01_6 TCRBV01_6 TCRBV01_7 TCRBV01_8	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023 0.004 0.002	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.012	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.004 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016 0.006
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_14 TCRBV01_6 TCRBV01_6 TCRBV01_6 TCRBV01_7 TCRBV01_8 TCRBV01_9	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023 0.004 0.002	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.012 52 0.001 -0.031 0.095 -0.074	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010 -0.005	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016 0.006
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_14 TCRBV01_6 TCRBV01_6 TCRBV01_7 TCRBV01_8 TCRBV01_9 TCRBV01_9 TCRBV01_10	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023 0.004 0.005 -0.006 -0.041 -0.033 0.023	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.012 52 0.001 -0.031 0.095 -0.074 0.004	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010 -0.005	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016 0.006
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_14 TCRBV01_6 TCRBV01_6 TCRBV01_6 TCRBV01_7 TCRBV01_8 TCRBV01_9	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023 0.004 0.002	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.012 52 0.001 -0.031 0.095 -0.074	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010 -0.005	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016 0.006
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_13 TCRBV20_14 TCRBV01_6 TCRBV01_7 TCRBV01_8 TCRBV01_9 TCRBV01_10 TCRBV01_10 TCRBV01_11	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.004 0.002	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.012 52 0.001 -0.031 0.095 -0.074 0.004	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010 -0.005	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016 0.006
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_13 TCRBV20_14 TCRBV01_6 TCRBV01_7 TCRBV01_8 TCRBV01_9 TCRBV01_10 TCRBV01_11 TCRBV01_11 TCRBV01_11	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023 0.004 0.005 -0.006 -0.041 -0.033 0.023 -0.031 0.061	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.012 52 0.001 -0.031 0.095 -0.074 0.004 -0.003 -0.024	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010 -0.005	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016 0.006
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_12 TCRBV20_13 TCRBV20_14 TCRBV01_6 TCRBV01_7 TCRBV01_8 TCRBV01_9 TCRBV01_10 TCRBV01_11 TCRBV01_11 TCRBV01_11 TCRBV01_11 TCRBV01_12 TCRBV01_12 TCRBV01_13	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023 0.004 0.005 -0.006 -0.041 -0.033 0.023 -0.031 0.061 0.013	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.012 52 0.001 -0.031 0.095 -0.074 0.004 -0.003 -0.024 0.015	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010 -0.005	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016 0.006
TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_14 TCRBV01_6 TCRBV01_7 TCRBV01_8 TCRBV01_9 TCRBV01_9 TCRBV01_10 TCRBV01_11 TCRBV01_11 TCRBV01_11	0.045 -0.122 0.047 -0.035 -0.031 -0.023 -0.002 -0.009 0.000 -0.024 -0.042 -0.012 0.047 -0.032 0.023 0.023 0.023 0.023 0.004 0.005 -0.006 -0.041 -0.033 0.023 -0.031 0.061	0.068 -0.018 0.053 -0.049 -0.035 -0.006 0.001 -0.013 0.030 0.035 0.009 0.049 -0.058 -0.027 -0.016 0.039 -0.035 0.012 52 0.001 -0.031 0.095 -0.074 0.004 -0.003 -0.024	0.008 0.030 0.013 0.001 0.067 0.032 0.002 -0.007 0.023 0.000 0.018 -0.028 0.006 -0.006 0.011 -0.012 -0.039	-0.047 0.007 -0.067 0.011 0.012 0.022 -0.001 -0.006 0.053 -0.027 -0.050 0.106 -0.041 -0.012 -0.027 0.010 -0.005	-0.032 -0.003 0.004 -0.023 -0.086 -0.019 0.010 0.006 -0.059 0.015 0.031 -0.060 -0.030 0.004 -0.042 0.091 0.016 0.006

TCRBV02_6	0.046	-0.048
TCRBV02_7	-0.037	-0.026 0.046
TCRBV02_8	-0.145	0.004
TCRBV02_9	0.013	-0.031
TCRBV02_10	-0.005	-0.017
TCRBV02_11	-0.009	-0.055
TCRBV02_12	-0.016	-0.016
TCRBV02_13	0.001	0.004
TCRBV03_4	0.004 -0.004	0.007
TCRBV03_5	-0.016	-0.040
TCRBV03_6	0.029	-0.066
TCRBV03_7	0.031	0.020
TCRBV03_8	0.031	0.036
TCRBV03_9	-0.011	-0.047
TCRBV03_10	-0.033	0.022
TCRBV03_11	-0.010	-0.010
TCRBV03_12	-0.014	0.054
TCRBV03_13 TCRBV04 6	-0.011	0.006
	-0.018	-0.073
TCRBV04_7 TCRBV04 8	0.047	-0.036
TCRBV04_9	-0.004	-0.211
TCRBV04_3	-0.047	0.160
TCRBV04_10	0.051	0.048
TCRBV04_12	-0.024	0.043
TCRBV04_13	-0.053	0.022
TCRBV04_14	0.066	0.002
TCRBV04_15	-0.007	0.039
TCRBV051_5	-0.065	-0.049
TCRBV051_6	-0.039	-0.035
TCRBV051_7	-0.027	-0.083
TCRBV051_8	-0.005	0.041
TCRBV051_9	0.034	0.030
TCRBV051_10	-0.058	0.050
TCRBV051_11	0.055	0.073
TCRBV051_12	0.042	-0.006 0.027
TCRBV051_13	0.058	-0.102
TCRBV052_6	-0.014	0.036
TCRBV052_7	0.018 0.000	0.045
TCRBV052_8	0.042	0.045
TCRBV052_9	0.042	0.055
TCRBV052_10	-0.012	-0.030
TCRBV052_11	-0.036	-0.015
TCRBV052_12	-0.024	0.016
TCRBV052_13 TCRBV06 5	-0.025	-0.013
TCRBV06_5 TCRBV06_6	-0.014	-0.034
TCRBV06_7	-0.060	-0.039
TCRBV06_8	0.084	0.001
TCRBV06_9	-0.054	-0.049
TCRBV06_10	0.011	0.063
TCRBV06_11	0.015	-0.009
TCRBV06_12	-0.003	0.021
TCRBV06_13	0.036	0.039
TCRBV07_5	0.001	-0.032
TCRBV07_6	0.007	-0.050
TCRBV07_7	-0.025	-0.006
TCRBV07_8	0.023	0.044
TCRBV07 9	-0.038	-0.054
TCRBV07_10	0.073	0.054
TCRBV07_11	-0.008	0.067
TCRBV07_12	-0.029	-0.046
TCRBV07_13	-0.014	0.003 0.006
TCRBV081_5	0.020	0.008

FIG. 116A

TCRBV081_6	-0.014	0.043
TCRBV081 7	0.006	0.034
TCRBV081_8	-0.028	-0.034
TCRBV081_9	-0.008	-0.039
TCRBV081 10	0.004	0.040
TCRBV081 11	-0.013	0.012
TCRBV081_12	0.033	-0.062
TCRBV082 4	0.103	-0.021
TCRBV082 5	-0.054	-0.020
TCRBV082_6	0.101	-0.007
TCRBV002_5	-0.086	0.107
TCRBV082_8	0.013	-0.019
	-0.050	0.023
	-0.033	-0.055
_	0.006	-0.009
	-0.001	0.004
10	-0.020	-0.000
	-0.047	-0.001
TCRBV083_6	0.059	0.043
TCRBV083_7	-0.098	0.001
TCRBV083_8	0.052	0.013
TCRBV083_9	0.062	-0.018
TCRBV083_10	-0.052	0.017
TCRBV083_11	0.044	-0.058
TCRBV083_12	0.011	0.003
TCRBV09_5	0.022	0.052
TCRBV09_6	-0.055	0.091
TCRBV09_7	0.050	-0.010
TCRBV09_8	0.001	-0.032
TCRBV09_9	0.025	-0.007
TCRBV09_10		0.004
TCRBV09_11	0.043	-0.125
TCRBV09_12	0.004	-0.123
TCRBV09_13	-0.083	0.009
TCRBV09_14	-0.079	-0.023
TCRBV09_15	-0.009	-0.023
TCRBV10_6	-0.004	-0.011
TCRBV10_7	-0.026	-0.074
TCRBV10_8	0.002	0.041
TCRBV10_9	0.008	0.092
TCRBV10_10	-0.045	-0.027
TCRBV10_11	0.028	-0.001
TCRBV10_12	0.035	0.002
TCRBV10_13	0.002	0.022
TCRBV11_5	0.012	0.015
TCRBV11_6	0.032	0.092
TCRBV11_7	-0.045	-0.067
TCRBV11_8	-0.087	-0.057
TCRBV11_9	0.058	0.013
TCRBV11_10	-0.034	-0.071
TCRBV11_11	0.028	0.022
TCRBV11_12	0.006	
TCRBV11_13	0.008	-0.000 0.008
TCRBV11_14	0.009	
TCRBV11_15	0.003	0.003
TCRBV12_4	-0.047	-0.033
TCRBV12_5	0.023	0.054
TCRBV12_6	-0.034	-0.007
TCRBV12 7	-0.007	0.118
TCRBV12 8	0.045	0.008
TCRBV12_9	0.039	-0.101
TCRBV12 10	0.000	-0.021
TCRBV12_11	-0.041	-0.037
TCRBV12_12	0.021	0.021
TCRBV13_5	0.022	-0.015
-		

FIG. 116B

TCRBV13_6 TCRBV13_7 TCRBV13_7 TCRBV13_8 TCRBV13_9 TCRBV13_10 TCRBV13_11 TCRBV13_11 TCRBV13_12 TCRBV13_13 TCRBV13_13 TCRBV14_5 TCRBV14_6 TCRBV14_7 TCRBV14_7 TCRBV14_9 TCRBV14_9 TCRBV14_10 TCRBV14_11 TCRBV14_11 TCRBV14_11 TCRBV14_12 TCRBV14_12 TCRBV14_13 TCRBV15_5 TCRBV15_6 TCRBV15_6 TCRBV15_7 TCRBV15_8 TCRBV15_10 TCRBV15_10 TCRBV15_10 TCRBV15_10 TCRBV15_11 TCRBV16_6 TCRBV16_6 TCRBV16_6 TCRBV16_7 TCRBV16_7 TCRBV16_6 TCRBV16_7 TCRBV16_6 TCRBV16_7 TCRBV16_10 TCRBV16_11 TCRBV16_10 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_10 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV18_11 TCR			
TCRBV13_7 TCRBV13_8 -0.000 TCRBV13_9 TCRBV13_10 0.052 TCRBV13_11 0.019 TCRBV13_12 0.004 TCRBV13_12 0.004 TCRBV13_13 -0.049 -0.062 TCRBV14_5 -0.001 TCRBV14_6 -0.057 -0.008 TCRBV14_7 0.025 TCRBV14_9 0.008 TCRBV14_9 0.008 TCRBV14_10 0.024 -0.017 TCRBV14_11 -0.078 TCRBV14_11 -0.078 TCRBV14_12 0.044 -0.011 TCRBV14_13 0.002 0.001 TCRBV15_4 0.009 -0.022 TCRBV15_7 TCRBV15_6 TCRBV15_7 TCRBV15_8 0.017 TCRBV15_10 TCRBV15_10 TCRBV15_11 -0.049 -0.040 TCRBV15_12 -0.016 TCRBV16_6 TCRBV16_6 TCRBV16_6 TCRBV16_1 TCRBV18_3 TCRBV18_3 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV18_1 TCRBV20_5 TCRBV20_6 TCRBV20_1 TCRBV2	TCRBV13 6	-0.092	
TCRBV13_8 TCRBV13_9 TCRBV13_10 TCRBV13_11 TCRBV13_11 TCRBV13_12 TCRBV13_12 TCRBV14_5 TCRBV14_5 TCRBV14_6 TCRBV14_7 TCRBV14_8 TCRBV14_9 TCRBV14_10 TCRBV14_11 TCRBV14_11 TCRBV14_11 TCRBV14_12 TCRBV14_12 TCRBV14_13 TCRBV15_4 TCRBV15_5 TCRBV15_6 TCRBV15_6 TCRBV15_7 TCRBV15_8 TCRBV15_9 TCRBV15_11 TCRBV15_11 TCRBV15_11 TCRBV15_11 TCRBV16_6 TCRBV16_7 TCRBV16_10 TCRBV16_11 TCRBV1	-	0.026	-0.025
TCRBV13_9 TCRBV13_10 TCRBV13_11 TCRBV13_11 TCRBV13_12 TCRBV13_13 TCRBV14_5 TCRBV14_6 TCRBV14_7 TCRBV14_7 TCRBV14_9 TCRBV14_9 TCRBV14_10 TCRBV14_11 TCRBV14_11 TCRBV14_12 TCRBV14_12 TCRBV14_13 TCRBV15_5 TCRBV15_6 TCRBV15_6 TCRBV15_6 TCRBV15_7 TCRBV15_8 TCRBV15_9 TCRBV15_10 TCRBV15_11 TCRBV15_12 TCRBV16_6 TCRBV16_7 TCRBV16_6 TCRBV16_7 TCRBV16_9 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_12 TCRBV16_13 TCRBV16_14 TCRBV16_14 TCRBV16_16 TCRBV15_10 TCRBV15_10 TCRBV15_11 TCRBV16_16 TCRBV16_17 TCRBV16_16 TCRBV16_17 TCRBV16_17 TCRBV16_10 TCRBV16_19 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_12 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_12 TCRBV16_13 TCRBV16_12 TCRBV18_13 TCRBV18_14 TCRBV18_15 TCRBV18_16 TCRBV18_16 TCRBV18_11 TCRBV18_		-0.000	0.059
TCRBV13_11		0.018	-0.032
TCRBV13_11	-		-0.005
TCRBV13 12			
TCRBV13 13	-		
TCRBV14_5 TCRBV14_6 TCRBV14_7 TCRBV14_7 TCRBV14_9 0.0031 TCRBV14_10 TCRBV14_11 TCRBV14_11 TCRBV14_11 TCRBV14_13 TCRBV15_5 TCRBV15_6 TCRBV15_6 TCRBV15_7 TCRBV15_8 TCRBV15_9 TCRBV15_10 TCRBV15_11 TCRBV16_6 TCRBV16_6 TCRBV16_7 TCRBV16_8 TCRBV16_7 TCRBV16_8 TCRBV16_9 TCRBV16_10 TCRBV16_11			
TCRBV14_6 TCRBV14_7 TCRBV14_8 TCRBV14_9 0.0025 TCRBV14_10 TCRBV14_11 TCRBV14_11 TCRBV14_12 TCRBV14_13 TCRBV15_5 TCRBV15_5 TCRBV15_6 TCRBV15_7 TCRBV15_8 TCRBV15_9 TCRBV15_11 TCRBV15_12 TCRBV16_6 TCRBV16_6 TCRBV16_7 TCRBV16_9 TCRBV16_10 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV16_14 TCRBV16_15 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_14 TCRBV16_15 TCRBV16_15 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV18_3 TCRBV18_3 TCRBV18_4 TCRBV18_6 TCRBV18_6 TCRBV18_1 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_11 TCRBV20_1 TCRBV20_11	TCRBV13_13		
TCRBV14_7 TCRBV14_8 TCRBV14_9 TCRBV14_10 TCRBV14_11 TCRBV14_11 TCRBV14_11 TCRBV14_13 TCRBV15_4 TCRBV15_5 TCRBV15_6 TCRBV15_6 TCRBV15_8 TCRBV15_9 TCRBV15_11 TCRBV15_12 TCRBV16_5 TCRBV16_5 TCRBV16_6 TCRBV16_7 TCRBV16_7 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_12 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_14 TCRBV16_14 TCRBV16_15 TCRBV15_10 TCRBV15_11 TCRBV15_11 TCRBV15_11 TCRBV15_12 TCRBV16_15 TCRBV16_10 TCRBV16_10 TCRBV16_10 TCRBV16_10 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_12 TCRBV16_12 TCRBV16_13 TCRBV18_3 TCRBV18_4 TCRBV18_3 TCRBV18_4 TCRBV18_6 TCRBV18_1 TCRBV18_17 TCRBV18_19 TCRBV18_19 TCRBV18_19 TCRBV18_19 TCRBV18_19 TCRBV18_19 TCRBV18_19 TCRBV18_19 TCRBV18_19 TCRBV18_10 TCRBV18_11 TCRBV20_12 TCRBV20_11 TCRBV20_12 TCRBV20_11 TCRBV20_1	TCRBV14_5		
TCRBV14_8 TCRBV14_9 TCRBV14_10 TCRBV14_11 TCRBV14_11 TCRBV14_12 TCRBV14_13 TCRBV15_4 TCRBV15_5 TCRBV15_6 TCRBV15_7 TCRBV15_8 TCRBV15_9 TCRBV15_10 TCRBV15_11 TCRBV16_5 TCRBV16_5 TCRBV16_6 TCRBV16_13 TCRBV16_9 TCRBV16_9 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV16_14 TCRBV16_14 TCRBV16_15 TCRBV16_15 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_14 TCRBV18_14 TCRBV18_19 TCRBV18_19 TCRBV18_19 TCRBV18_19 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV16_14 TCRBV18_14 TCRBV18_15 TCRBV18_15 TCRBV18_16 TCRBV18_17 TCRBV18_18 TCRBV18_19 TCRBV18_19 TCRBV18_11 TCRBV20_1 TCRBV20_11	TCRBV14_6		
TCRBV14_9	TCRBV14_7		
TCRBV14_9 TCRBV14_10 TCRBV14_11 TCRBV14_11 TCRBV14_12 TCRBV14_13 TCRBV15_4 TCRBV15_5 TCRBV15_6 TCRBV15_6 TCRBV15_7 TCRBV15_7 TCRBV15_9 TCRBV15_10 TCRBV15_12 TCRBV16_6 TCRBV16_12 TCRBV16_8 TCRBV16_7 TCRBV16_6 TCRBV16_6 TCRBV15_12 TCRBV16_7 TCRBV16_6 TCRBV16_7 TCRBV16_6 TCRBV16_7 TCRBV16_6 TCRBV16_7 TCRBV16_8 TCRBV16_9 TCRBV16_10 TCRBV16_11 TCRBV16_9 TCRBV16_10 TCRBV16_10 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_12 TCRBV16_13 TCRBV16_14 TCRBV16_15 TCRBV16_15 TCRBV16_10 TCRBV18_3 TCRBV18_4 TCRBV18_1 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_1	TCRBV14 8	0.031	
TCRBV14_10 TCRBV14_11 TCRBV14_11 TCRBV14_12 TCRBV14_13 O.002 TCRBV15_4 TCRBV15_5 TCRBV15_5 TCRBV15_6 TCRBV15_6 TCRBV15_7 TCRBV15_8 TCRBV15_9 TCRBV15_10 TCRBV15_11 TCRBV16_5 TCRBV16_5 TCRBV16_5 TCRBV16_6 TCRBV16_6 TCRBV15_11 TCRBV16_7 TCRBV16_6 TCRBV16_12 TCRBV16_9 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV18_4 TCRBV18_4 TCRBV18_6 TCRBV18_6 TCRBV18_6 TCRBV18_6 TCRBV18_7 TCRBV18_6 TCRBV18_14 TCRBV18_15 TCRBV18_16 TCRBV18_16 TCRBV18_17 TCRBV18_19 TCRBV18_10 TCRBV18_10 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_11 TCRBV18_12 TCRBV18_11 TCRBV18_12 TCRBV18_11 TCRBV18_12 TCRBV18_11 TCRBV18_12 TCRBV18_11 TCRBV18_12 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV20_16 TCRBV20_11	-	0.008	
TCRBV14_11		0.024	-0.017
TCRBV14_12 TCRBV15_4 TCRBV15_4 TCRBV15_5 TCRBV15_5 TCRBV15_6 TCRBV15_7 TCRBV15_7 TCRBV15_8 TCRBV15_9 TCRBV15_11 TCRBV15_12 TCRBV16_5 TCRBV16_5 TCRBV16_5 TCRBV16_6 TCRBV16_7 TCRBV16_8 TCRBV16_9 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV18_3 TCRBV18_4 TCRBV18_5 TCRBV18_6 TCRBV18_6 TCRBV18_7 TCRBV18_6 TCRBV18_7 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_14 TCRBV18_15 TCRBV18_16 TCRBV18_17 TCRBV18_17 TCRBV18_18 TCRBV18_19 TCRBV18_10 TCRBV18_10 TCRBV18_11 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11	-	-0.078	0.052
TCRBV14_13	-	0.044	-0.011
TCRBV15_4 TCRBV15_5 TCRBV15_6 TCRBV15_6 TCRBV15_7 TCRBV15_7 TCRBV15_9 TCRBV15_10 TCRBV15_11 TCRBV15_11 TCRBV15_12 TCRBV16_5 TCRBV16_5 TCRBV16_6 TCRBV16_7 TCRBV16_6 TCRBV16_7 TCRBV16_8 TCRBV16_9 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV18_4 TCRBV18_4 TCRBV18_6 TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_11 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11	- _		0.001
TCRBV15_5 TCRBV15_6 TCRBV15_6 TCRBV15_7 TCRBV15_8 TCRBV15_9 TCRBV15_10 TCRBV15_11 TCRBV16_5 TCRBV16_5 TCRBV16_5 TCRBV16_5 TCRBV16_5 TCRBV16_6 TCRBV16_7 TCRBV16_8 TCRBV16_9 TCRBV16_9 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_14 TCRBV18_3 TCRBV18_4 TCRBV18_5 TCRBV18_6 TCRBV18_6 TCRBV18_6 TCRBV18_7 TCRBV18_6 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_11 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11	-		-0.022
TCRBV15_6 TCRBV15_6 TCRBV15_7 TCRBV15_8 TCRBV15_9 TCRBV15_10 TCRBV15_11 TCRBV15_11 TCRBV15_12 TCRBV16_5 TCRBV16_6 TCRBV16_6 TCRBV16_7 TCRBV16_8 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV18_3 TCRBV18_4 TCRBV18_5 TCRBV18_6 TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_9 TCRBV18_9 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_11 TCRBV20_5 TCRBV20_6 TCRBV20_6 TCRBV20_9 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11	* *** ·		
TCRBV15_6 TCRBV15_8 TCRBV15_9 TCRBV15_10 TCRBV15_11 TCRBV15_12 TCRBV16_5 TCRBV16_5 TCRBV16_6 TCRBV16_7 TCRBV16_8 TCRBV16_9 TCRBV16_10 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV18_3 TCRBV18_4 TCRBV18_5 TCRBV18_6 TCRBV18_6 TCRBV18_6 TCRBV18_7 TCRBV18_6 TCRBV18_10 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_10 TCRBV18_11 TCRBV20_5 TCRBV20_6 TCRBV20_6 TCRBV20_7 TCRBV20_10 TCRBV20_11			
TCRBV15_8 TCRBV15_9 TCRBV15_10 TCRBV15_11 -0.049 TCRBV15_11 -0.049 TCRBV15_12 TCRBV16_5 TCRBV16_5 TCRBV16_6 TCRBV16_7 TCRBV16_8 TCRBV16_9 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV18_13 TCRBV18_5 TCRBV18_6 TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_10 TCRBV18_10 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_14 TCRBV18_14 TCRBV18_15 TCRBV18_16 TCRBV18_10 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_11 TCRBV18_11 TCRBV18_11 TCRBV20_5 TCRBV20_6 TCRBV20_6 TCRBV20_7 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRDV3 TCRDV3 TCRDV3 TCRBV20_11 TCRDV3 TCRDV3 TCRDV3 TCRDV3 TCRBV20_11 TCRDV3	-		
TCRBV15_9 TCRBV15_10 TCRBV15_11 TCRBV15_11 TCRBV15_12 TCRBV16_5 TCRBV16_6 TCRBV16_6 TCRBV16_7 TCRBV16_8 TCRBV16_9 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_12 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV16_13 TCRBV16_14 TCRBV18_15 TCRBV18_15 TCRBV18_16 TCRBV18_16 TCRBV18_17 TCRBV18_17 TCRBV18_10 TCRBV18_11 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCROOR TOOR TOOR TOOR TOOR TOOR TOOR TO	TCRBV15_7		
TCRBV15_10	TCRBV15_8		
TCRBV15_11	TCRBV15_9		
TCRBV15_12	TCRBV15_10		
TCRBV15_12	TCRBV15 11		
TCRBV16_5 TCRBV16_6 TCRBV16_6 TCRBV16_7 TCRBV16_8 TCRBV16_9 TCRBV16_10 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV18_3 TCRBV18_4 TCRBV18_5 TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_12 TCRBV18_13 TCRBV18_13 TCRBV18_14 TCRBV18_10 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_13 TCRBV18_13 TCRBV18_14 TCRBV18_10 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_13 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_13 TCRBV20_13 TCRBV20_13 TCRBV20_11		-0.016	-
TCRBV16_6	-	0.079	0.016
TCRBV16_7		0.007	0.014
TCRBV16_8 TCRBV16_9 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV18_3 TCRBV18_4 TCRBV18_5 TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_12 TCRBV18_13 TCRBV18_14 TCRBV18_14 TCRBV18_15 TCRBV18_10 TCRBV18_10 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_13 TCRBV18_13 TCRBV18_13 TCRBV18_13 TCRBV18_14 TCRBV18_15 TCRBV18_15 TCRBV18_16 TCRBV18_17 TCRBV18_18 TCRBV18_19 TCRBV18_10 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_11 TCRBV20_13 TCRBV20_13 TCRBV20_13 TCRBV20_13 TCRBV20_13 TCRBV20_13 TCRBV20_16 TCRBV20_11	- _	-0.070	0.070
TCRBV16_9 TCRBV16_10 TCRBV16_11 TCRBV16_11 TCRBV16_12 TCRBV16_13 TCRBV18_3 TCRBV18_4 TCRBV18_5 TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_12 TCRBV18_13 TCRBV18_13 TCRBV18_14 TCRBV18_15 TCRBV18_15 TCRBV18_10 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_13 TCRBV18_13 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_11 TCRBV20_12 TCRBV20_11 TCRBV20_12 TCRBV20_11 TCRBV20_12 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_11			-0.030
TCRBV16_10	-		0.025
TCRBV16_11			-0.041
TCRBV16_12			
TCRBV16_13			
TCRBV18_13 TCRBV18_4 TCRBV18_5 TCRBV18_6 TCRBV18_6 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_13 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 T			
TCRBV18_4	TCRBV16_13		
TCRBV18_5 TCRBV18_6 TCRBV18_6 TCRBV18_7 TCRBV18_7 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_9 TCRBV20_10 TCRBV20_11 TC			
TCRBV18_6 TCRBV18_7 TCRBV18_7 TCRBV18_8 TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_12 TCRBV18_12 TCRBV18_13 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_9 TCRBV20_10 TCRBV20_11	TCRBV18_4		
TCRBV18_7 TCRBV18_8 TCRBV18_8 0.011 -0.001 TCRBV18_9 -0.069 TCRBV18_10 0.023 0.099 TCRBV18_11 0.023 0.099 TCRBV18_12 0.002 TCRBV18_13 0.009 TCRBV20_5 0.028 0.033 TCRBV20_6 -0.063 TCRBV20_7 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_13 TCRBV20_13 -0.008 -0.008 TCRBV20_11 TCRBV20_13 -0.008 -0.008	TCRBV18_5	-	
TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 TCRBV18_11 TCRBV18_12 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_9 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_12 TCRBV20_11 TCRBV20_12 TCRBV20_11 TCRBV20_12 TCRBV20_11 TCRBV20_12 TCRBV20_11 TCRBV20_12 TCRBV20_13	TCRBV18_6		
TCRBV18_8 TCRBV18_9 TCRBV18_10 TCRBV18_11 0.023 TCRBV18_11 0.023 TCRBV18_12 0.002 TCRBV18_13 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_8 TCRBV20_9 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_13 TCRBV20_13 TCRBV20_13 TCRBV20_13 TCRBV20_14 TCRBV20_15 TCRBV20_16 TCRBV20_17 TCRBV20_17 TCRBV20_18 0.003 TCRBV20_18 0.003 TCRBV20_19 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_11 TCRBV20_13 TCRBV20_13 TCRBV20_13 TCRBV20_13	TCRBV18_7		
TCRBV18_9 TCRBV18_10 TCRBV18_11 O.023 O.099 TCRBV18_12 O.002 TCRBV18_13 O.009 TCRBV20_5 TCRBV20_6 TCRBV20_7 TCRBV20_8 TCRBV20_8 TCRBV20_9 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_12 TCRBV20_13 TCRBV20_13 O.018 O.026 O.044 TCRBV20_11 O.018 O.003 O.018	TCRBV18 8	0.011	
TCRBV18_11	TCRBV18 9	-0.069	
TCRBV18_11 0.023 0.099 TCRBV18_12 0.002 0.001 TCRBV18_13 0.009 0.002 TCRBV20_5 0.028 0.033 TCRBV20_6 -0.063 0.010 TCRBV20_7 -0.062 -0.056 TCRBV20_8 0.022 0.084 TCRBV20_9 0.041 0.027 TCRBV20_10 -0.008 0.044 TCRBV20_11 -0.018 0.003 TCRBV20_12 0.051 -0.065 TCRBV20_13 -0.008 -0.083	TCRBV18 10	-0.003	
TCRBV18_12		0.023	0.099
TCRBV18_13		0.002	
TCRBV20_5 0.028 0.033 TCRBV20_6 -0.063 0.010 TCRBV20_7 -0.062 -0.056 TCRBV20_8 0.022 0.084 TCRBV20_9 0.041 0.027 TCRBV20_10 -0.008 0.044 TCRBV20_11 -0.018 0.003 TCRBV20_12 0.051 -0.065 TCRBV20_13 -0.008 -0.083		0.009	
TCRBV20_6 -0.063 0.010 TCRBV20_7 -0.062 -0.056 TCRBV20_8 0.022 0.084 TCRBV20_9 0.041 0.027 TCRBV20_10 -0.008 0.044 TCRBV20_11 -0.018 0.003 TCRBV20_12 0.051 -0.065 TCRBV20_13 -0.008 -0.083	—	0.028	0.033
TCRBV20_7 -0.062 -0.056 TCRBV20_8 0.022 0.084 TCRBV20_9 0.041 0.027 TCRBV20_10 -0.008 0.044 TCRBV20_11 -0.018 0.003 TCRBV20_12 0.051 -0.065 TCRBV20_13 -0.008 -0.083			0.010
TCRBV20_8 TCRBV20_9 TCRBV20_10 TCRBV20_11 TCRBV20_11 TCRBV20_12 TCRBV20_12 TCRBV20_13		-	-0.056
TCRBV20_9 0.041 0.027 TCRBV20_10 -0.008 0.044 TCRBV20_11 -0.018 0.003 TCRBV20_12 0.051 -0.065 TCRBV20_13 -0.008 -0.083			0.084
TCRBV20_10 -0.008 0.044 TCRBV20_11 -0.018 0.003 TCRBV20_12 0.051 -0.065 TCRBV20_13 -0.008 -0.083			
TCRBV20_11 -0.018 0.003 TCRBV20_12 0.051 -0.065 TCRBV20_13 -0.008 -0.083			
TCRBV20_12 0.051 -0.065 TCRBV20_13 -0.008 -0.083	_		
TCRBV20_12 -0.008 -0.083 TCRBV20_13 -0.008 -0.083	-		
1CRBV20_13			
TCRBV20_14 0.007 -0.018	TCRBV20_13		
——————————————————————————————————————	TCRBV20_14	0.007	-0.018

Standardized scores have been saved.

FIG. 116C

53 cases and 56 variables processed and saved.

SYSTAT Rectangular file C:\Utilisateurs\OGp8586\Pr81OG290802F.SYD, created Fri Aug 30, 2002 at 10:39:56, contains variables:

TSQUARE FACTOR(1.. 52) **GROUPS**\$ CASE\$

PROB

Group frequencies

R3*6	2		
R3*	5		
占	6		
FS	5		
F3*S	10	R	တ
F3*	ည	RS	2

Group means

FIG. 116D

	F3*	F3*S	FS	FT	R3*
FACTOR(1)	0.029	0.701	0.78 9	- 0.582	0.55 6
FACTOR(2)	- 0.652	- 0.065	0.584	0.647	0.97 6
FACTOR(3)	0.66 7	1.28 5	0.11 0	1.234	0.470
FACTOR(4)	0.56 1	- 0.170	0.97 2	0.038	0.367
FACTOR(5)	0.44 8	- 0.469	0.38	0.026	0.20 2
FACTOR(6)	0.28 2	0.12 6	0.42 0	0.21 5	0.546 0.11
FACTOR(7)	1.26 7	0.08 3	1.236	0.40 1	4 0.20
FACTOR(8)	0.530	0.07 2	0.258	0.29 2 0.11	6
FACTOR(9)	0.147	0.371	0.12 4	5 0.22	0.221
FACTOR(10)	0.446	0.130	0.01 9	5	0.179 0.00
FACTOR(11)	0.43 4	0.536	0.076 · 0.02	0.120 0.42	1 0.20
FACTOR(12)	0.83 8	0.514	2 0.45	0 0 0.38	7
FACTOR(13)	0.646	0.16 1	0.45	6	0.429 0.20
FACTOR(14)	0.63 8	0.370	0.210 0.43	0.257	9 -
FACTOR(15)	0.28 5	0.14 3	0.43	0.321 0.21	ზ.217 -
FACTOR(16)	0.020	0.127 0.42	0.144	4	0.111
FACTOR(17)	0.458	7 0.27	0.945 0.43	0.293	0.113 -
FACTOR(18)	0.852 0.22	1 0.03	5 0.05	0.086 0.04	0.474 0.34
FACTOR(19)	0 0 1.02	4 0.17	5 -	1 0.13	0 -
FACTOR(20)	7	9 0.33	0.153 0.32	5 0.71	0.054 -
FACTOR(21)	0.859	2	0 -	3 0.24	0.432
FACTOR(22)	0.048	0.018	0.247 0.03	8 0.28	0.226 0.08
FACTOR(23)	0.449 0.26	0.240	2 0.35	7 -	1 -
FACTOR(24)	6	0.323	9 0.17	0.043	0.658 0.04
FACTOR(25)	0.225	0.194 0.23	1 -	0.156 0.24	5 -
FACTOR(26)	0.255 0.38	4 -	0.829	0 0.08	0.231 0.07
FACTOR(27)	9	0.260 0.08	1.069 0.05	0 0.02	5 -
FACTOR(28)	0.222	0 0.03	5 -	7 0.07	0.197 0.00
FACTOR(29)	0.112	0 0 0.14	0.050 0.00	0 0.12	4 0.58
FACTOR(30)	0.439	2	5 0.21	9 -	4 -
FACTOR(31)	0.104	0.046	8	0.406	0.123

FIG. 117A

FACTOR(32)	0.25	-	- 0.216	0.06 3	- 1.439
1 70101(02)	8 0.04	0.046	0.316 -	0.18	-
FACTOR(33)	1	0.090	0.323	9	0.732
FACTOR(34)	0.16 0	0.126	0.199	0.061 0.02	0.107 0.02
FACTOR(35)	0.200	0.05 1	0.141	7	7
FACTOR(36)	- 0.040	0.01 9	- 0.167	0.220	0.329
FACTOR(37)	0.26 6	0.04 2	0.08 7	0.328	0.06 3
FACTOR(38)	0.12 9	- 0.118	0.18 4	0.00 1	0.584
FACTOR(39)	0.29 8	0.086	0.17 3	0.194 0.20	0.728
FACTOR(40)	- 0.189	0.04 9	0.152	9	0.352
FACTOR(41)	0.04 2	0.03 0	0.129	0.13 8	0.684
FACTOR(42)	0.01 1	0.06 7	0.343	0.103	0.26 6
FACTOR(43)	0.15 3	- 0.138	- 0.118	0.03 8	0.640
FACTOR(44)	0.15 5	0.03 4	- 0.690	0.037	0.356
FACTOR(45)	0.01 2	0.073	- 0.015	0.330	0.20 8
FACTOR(46)	0.062	0.01 8	0.15 5	0.15 9	0.302
FACTOR(47)	- 0.167	0.09 9	- 0.789	0.31 5	0.36
FACTOR(48)	- 0.118	0.08 7	0.168	0.011	0.48 3
FACTOR(49)	0.089	0.10 6	0.313	0.013	0.045
FACTOR(50)	- 0.119	0.15 0	0.09 1	0.073	0.44 6
FACTOR(51)	0.00 7	0.00 3	0.04 5	0.079	0.08 4
FACTOR(52)	0.029	0.05	0.016	0.018	0.047

FIG. 117B

		+	
	R3*S	RS	RT
FACTOR(1)	0.14 8	0.98 5	0.00
FACTOR(2)	1.04 6	0.140	0.36
FACTOR(3)	0.172	0.043	0.244
FACTOR(4)	0.615	0.068	0.042
FACTOR(5)	0.607	0.02 · 2	0.29 9
FACTOR(6)	0.309	0.314	0.096
FACTOR(7)	0.164	0.524	0.192 0.22
FACTOR(8)	0.025 0.26	0.459 0.16	0.19
FACTOR(9)	5	7 0.27	3 0.28
FACTOR(10)	0.314 0.18	1 0.33	0.22
FACTOR(11)	8 0.15	1 -	7 -
FACTOR(12)	5 -	0.396 0.23	0.307
FACTOR(13)	0.476	7 -	0.084 0.54
FACTOR(14)	0.277 0.27	0.134 -	2 -
FACTOR(15)	0 -	0.092 0.05	0.214 0.06
FACTOR(16)	0.023 0.13	2 0.31	4 0.41
FACTOR(17)	8 0.24	2 0.21	1 0.02
FACTOR(18)	2 -	5 -	6 -
FACTOR(19)	0.009 0.02	0.225 0.03	0.291 -
FACTOR(20)	9 -	7 0.10	0.827
FACTOR(21) FACTOR(22)	0.537 0.78	9 -	0.306 0.07
FACTOR(22)	9 0.22	0.804	0 0.18
FACTOR(24)	1 0.51	0.249 _1.03	2 -
FACTOR(25)	4 0.73	2 0.11	0.438
FACTOR(26)	6 0.41	7 0.06	0.097
FACTOR(27)	4 0.10	1 0.86	0.033
FACTOR(28)	8 -	1	6 0.38
FACTOR(29)	0.339	0.197 0.64	4 -
FACTOR(30)	0.052	7 0.02	0.346 - 0.348
FACTOR(31)	0.066 0.41	7 0.42	0.348 - 0.004
	1	8	0.004

FIG. 117C

FACTOR(32)	-	-	0.82
170101(02)	0.004 0.53	0.005 0.78	5
FACTOR(33)	6	9	0.262
FACTOR(34)	-	0.55	0.14
170101(04)	0.303	8	1
FACTOR(35)	0.098	0.63 1	0.205
FACTOR(36)	0.50	0.05	0.19
1 ACTON(30)	4	0	0 0.30
FACTOR(37)	0.869	0.41 1	3
EACTOD(20)	0.52	· /-	0.24
FACTOR(38)	2	0.456	4
FACTOR(39)	0.20 0	0.491	0.59 4
FACTOD(40)	-	0.22	0.32
FACTOR(40)	0.598	9	6
FACTOR(41)	0.21 8	0.41 2	0.093
FACTOR(42)	-	0.77	-
FACTOR(42)	0.426	4	0.128
FACTOR(43)	0.41 7	0.07 4	0.17 8
FACTOR(44)	-	0.66	0.22
PACTOR(44)	0.184	1	9
FACTOR(45)	- 0.159	0.03 1	0.36 7
EACTOD/46)	0.67	-	-
FACTOR(46)	5	0.075	0.396
FACTOR(47)	0.667	0.56 2	0.035
EACTOR(49)	-	-	0.17
FACTOR(48)	0.257	0.406	4
FACTOR(49)	0.01 2	0.51 4	- 0.149
FACTOR(50)	_	-	-
FACTOR(50)	0.219	0.128	0.133
FACTOR(51)	0.963	0.12 3	0.46 6
EACTOR(52)	-	0.08	0.02
FACTOR(52)	0.107	2	5

FIG. 117D

Between groups F-matrix -- df = 45 1

	F3*	F3*S	FS	FT	R3*
F3*	0.00				
F3*	52.3 67	0.00			
FS	26.4 26	63.0 91	0.00 0		
FT	29.5 44	34.4 64	10.0 96	0.00 0	
R3*	18.7 57	47.6 04	2.03 0	5.20 5	0.00
R3*:	26.4 37	14.5 04	14.7 02	1.90 2	8.65 6
RS	22.7 84	65.3 76	0.58 8	1 1. 7	2.04 6
RT	41.8 61	13.6 67	27.0 23	6.50 5	18.2 75

RT			0.00	
RS		0.00	29.4 65	
R3*S	0.00	15.9	1.02	
	R3*:	RS	RT	

Wilks' lambda Lambda = 0.0000 df = 45 7 45 Approx. F= 5.2756 df = 315 20 prob = 0.0000

Classification functions

	F3*	F3*S	FS	FT	R3*
CONSTANT	7356.799	5637.861	4201.980	306.080	2116.499
	R3*S	RS	RT		
CONSTANT	427.721	4460.284	- 1225.056		

FIG. 118A

FACTOR(1)	88 5.325	3336.155	. 28 32.243	37 9.611	19 94.506
FACTOR(2)	1189.608	64 0.078	- 482.200	53 .800	357.182
FACTOR(3)	73 3.254	29 54.265	- 2573.948	- 619.584	- 1742.564
FACTOR(4)	11	-	98 0.686	34 .868	71 6.431
FACTOR(5)	03.939 91	1214.829	12	11	90 9.387
	0.353 28	1522.227 29	22.642	6.464	-
FACTOR(6)	8.258 16	5.952 10	265.061 -	80.595 -	187.563
FACTOR(7)	19.786	96.056 90	1193.107	387.205 33	625.109 -
FACTOR(8)	1140.457	7.611	691.194 66	.196 15	544.344 42
FACTOR(9)	249.941	743.279	1.489	9.031	9.891
FACTOR(10)	719.913	- 227.624	27 8.814	14 5.837	6.473
FACTOR(11)	79 0.282	1311.675	10 30.215	.504	3.396
FACTOR(12)	14 97.052	1420.478	10 38.720	.468	86 2.841
FACTOR(13)	895.490	47.340	18 1.539	14 1.537	971 0 .
FACTOR(14)	81 6.867	413.070	23 4.639	49.142	6.640
FACTOR(15)	48 2.076	46 .884	67.783	88.142	23.844
FACTOR(16)	81.496	130.719	11 0.991	.778	.874
FACTOR(17)	- 1191.607	20 57.059	1679.725	166.411	1231.019
FACTOR(18)	- 1417.776	61 6.412	343.838	96 .728	391.897
FACTOR(19)	52 5.084	254.610	16 4.486	33.702	16 6.883
FACTOR(20)	19 52.578	354.785	11 0.301	225.896	23 3.415
FACTOR(21)	1234.827	37 9.534	151.066	13 0.150	255.522
FACTOR(22)	- 666.088	12 07.799	1022.400	80.786	720.577
FACTOR(23)	833.821	153.721	20 1.197	15 6.884	.376
FACTOR(24)	94 1.573	- 1846.576	15 37.538	14 5.061	10 85.4 87
FACTOR(25)	- 242.956	560.933	50 8.925	11 7.562	33 4.727
FACTOR(26)	- 745.639	13 98.794	1164.052	110.083	838.579
FACTOR(27)	77 8.920	569.483	37 2.121	23.140	34 5.486
FACTOR(28)	657.807	69 9.621	536.667	11.767	429.010
FACTOR(29)	25 2.459	729.338	62 9.608	.267	43 2.399
FACTOR(30)	329.901	254.889	26 7.568	.791	2.336
FACTOR(31)	15.784	- 425.790	38 8.537	53 .283	25 0.897
FACTOR(32)	.0.10-	15	-	-	-

FACTOR(1)	516.421	29 71.510	1210.085
FACTOR(2)	32 2.374	595.120	51 3.744
FACTOR(3)	15 9.068	2501.821	62 9.296
FACTOR(4)	353.442	10 96.718	654.132
FACTOR(5)	328.479	13 31.529	672.563
FACTOR(6)	37.733	251.033	3. 499
FACTOR(7)	152.418	1010.654	74.246
FACTOR(8)	30 9.949	835.407	57 0.266
FACTOR(9)	28.284	64 2.608	141.922
FACTOR(10)	10 0.762	19 6.379	12 2.348
FACTOR(11)	267.696	11 44.530	570.825
FACTOR(12)	410.379	12 11.799	784.511
FACTOR(13)	12 9.889	.525	20 0.266
FACTOR(14)	- 174.147	34 0.427	311.017
FACTOR(15)	89.587	14.115	123.256
FACTOR(16)	3. 673	10 3.078	10.157
FACTOR(17)	8.489	1806.603	91 4.382
FACTOR(18)	30 5.935	512.894	52 9.741
FACTOR(19)	122.409	21 9.704	213.257
FACTOR(20)	397.324	33 3.055	619.912
FACTOR(21)	23 1.744	320.278	40 9.228 54
FACTOR(22)	26 7.874	1108.931	4.411 18
FACTOR(23)	14 2.105	2.272	3.290
FACTOR(24)	376.504	16 72.559	793.673
FACTOR(25)	7.187	49 3. 7 77	98.351
FACTOR(26)	29 6.676	1247.184	61 0.743
FACTOR(27)	180.161	49 4.691	350.244
FACTOR(28)	18 9.587	622.211	37 6.693
FACTOR(29)	132.213	8.456	290.064
FACTOR(30)	.545	4.265	0. 968
FACTOR(31)	42.314	40 2.739	126.892
FACTOR(32)	27	-	63

FIG. 118C

	569.927	89.968	1341.629	161.012	986.491 1'
FACTOR(33)	15 1.128	- 325.268	27 0.719	26 .473 24	5.808 3
FACTOR(34)	39 1.097	532.880	42 3.931	.130 65	2.562 2:
FACTOR(35)	21 .879	479.666	43 2.451	.599	2.397
FACTOR(36)	357.451	63 1.311	521.910 25	54.706 -	382.198 2 ¹
FACTOR(37)	56 9.876	338.182 59	6.025	38.478 -	1.471 -
FACTOR(38)	297.185	6.832 98	503.345	45.380 -	367.606 -
FACTOR(39)	243.396	9.287 38	850.458	117.629 12	604.867
FACTOR(40)	465.488	1.992 15	275.887	.571 -	246.707 -
FACTOR(41)	14.506 44	9.792	128.126 47	24.143 17	112.574 3:
FACTOR(42)	1.848	579.365 28	0.909	.485 -	0.317 -
FACTOR(43)	83.053 12	5.618 39	253.243 -	30.550 -	184.865 -
FACTOR(44)	2.862 0.	5.119 0.	367.181 0.	84.781 0.	244.696 0
FACTOR(45)	000 0.	000	000 0.	000 0.	000
FACTOR(46)	000 0.	000	000 0.	000 0.	000
FACTOR(47)	000	000 52	000	000	000
FACTOR(48)	306.610 0.	1.311 0.	437.054 0.	34.115 0.	299.483 . 0
FACTOR(49)	000	000 0.	000 0.	000 0.	000 0 000
FACTOR(50)	000 0.	000 O.	000	000 0.	000
FACTOR(51)	000 0.	000 0.	000	000 0.	000
FACTOR(52)	000	000	000	000	000

	7.822	1405.922	1.130
FACTOR(33)	- 61.258	30 7.829	134.079
FACTOR(34)	- 128.043	48 2.732	255.530
FACTOR(35)	- 61.517	44 5.127	155.045 28
FACTOR(36)	14 1.801	553.931	3.078
FACTOR(37)	- 149.909	32 6.269	254.505 26
FACTOR(38)	12 4.734	541.574	2.776 36
FACTOR(39)	15 6.442	883.045	5.823 23
FACTOR(40)	11 6.478	333.909	2.723 48
FACTOR(41)	15 .342	123.246 53	.324
FACTOR(42)	146.187	6.520	292.306 11
FACTOR(43)	.637	255.160	5.244 89
FACTOR(44)	.751	335.940 0.	.762 0.
FACTOR(45)	0. 000	000 0.	000
FACTOR(46)	0. 000	000	000 0.
FACTOR(47)	0. 000	000	000 23
FACTOR(48)	6.883	481.245 0.	6.830 0.
FACTOR(49)	0. 000	000	000 0.
FACTOR(50)	0. 000	000	000 0.
FACTOR(51)	0.	000	000 0.
FACTOR(52)	0. 000	000	000

		F-to-remove	Tolerance	l v
		165.86	0.001301	4
-	FACTOR(1)	20.89	0.010747	4
4	FACTOR (2)	155.48	0.002697	i 4
5	FACTOR (3)		0.005689	i 5
	FACTOR (4)	30.37	0.003333	,
	FACTOR (5)	37.26		} ;
8	FACTOR (6)	3.26	0.045888	-
9	FACTOR (7)	62.50	0.003602	} -
10	FACTOR (8)	22.54	0.006860	!
	FACTOR (9)		0.014231	ļ
	FACTOR (10		0.018656	!
13	FACTOR (1)	27.69	0.005697	ļ
	FACTOR (12		0.003898	Ì
	FACTOR (13		0.015446	-
	FACTOR (14	· /	0.018728	1
		• ,	0.045731	1
17	_		0.232616	İ
18		• ,		i
19		''		i
20				i
21				1
22	FACTOR (2	0) 43.13	0.004296	ı

T	iable	F-to-enter	Tolerance
	FACTOR (45)		0.000000
4/	FACTOR (46)	0.00	0.000000
	FACTOR (47)		0.000000
49	FACTOR (49)	0.00	0.000000
21	FACTOR (50)		0.000000
52	FACTOR (51)	-	0.000000
53	FACTOR (52	-	0.000000
54	FACTOR (32	, 0.00	

FIG. 119A

23 FACTOR (21)	18.37	0.010330
24 FACTOR (22)	24.41	0.006799
25 FACTOR (23)	9.65	0.015550
26 FACTOR (24)	54.39	0.003457
27 FACTOR (25)	6.53	0.023139
28 FACTOR (26)	31.22	0.005147
29 FACTOR (27)	9.95	0.017948
30 FACTOR (28)	10.02	0.014805
31 FACTOR (29)	8.36	0.017939
32 FACTOR (30)	3.06	0.048530
33 FACTOR (31)	3.36	0.043854
34 FACTOR (32)	39.28	0.005440
35 FACTOR (33)	2.08	0.077397
36 FACTOR (34)	5.09	0.028857
37 FACTOR (35)	3.83	0.037992
38 FACTOR (36)	6.56	0.022503
39 FACTOR (37)	4.86	0.032875
40 FACTOR (38)	5.88	0.026270
41 FACTOR (39)	15.03	0.011187
42 FACTOR (40)	3.95	0.038036
43 FACTOR (41)	0.65	0.194654
44 FACTOR (42)	6.37	0.024341
45 FACTOR (43)	1.50	0.093363
46 FACTOR (44)	3.21	0.048085
50 FACTOR (48)	4.69	0.031305

Classification matrix (cases in row categories classified into columns)

	F3*	F3*:	FS	FT	R3*	R3*
F3*	5	0	0	0	0	0
F3*:	0	10	0	0	0	0
FS	0	0	5	0	0	0
FT	0	0	0	9	0	0
R3*	0	0	0	0	5	0
R3*!	0	0	0	0	0	5
RS	0	0	0	0	0	0
RT	0	0	0	0	0	0
Total	5	10	5	9	5	5_

	RS	RT	%correct
F3*	0	0	100
F3*:	0	0	100
FS	0	0	100
FT	0	0	100
R3*	0	0	100
R3*!	0	0	100
RS	5	0	100
RT	0	9	100
Total	5	9	100

Jackknifed classification matrix

	F3*	F3*t	FS	FT	R3*	R3*
F3*	4	0	0	1	0	0
F3*:	2	3	3	0	1	0
FS	1	1	0	0	0	0
FT	3	0	4	1	0	0
R3*	2	0	0	1	0	1
R3*:	3	1	1	0	0	0
RS	0	3	1	0	0	0
RT	2	1	2	0	0	1
Total	17	9	11	3	1	2

	RS	RT	%correct
F3*	0	0	80
F3*:	1	. 0	30
FS	1	2	0
FT	0	1	11
R3*	1	0	0
R3*:	0	0	0
RS	1	0	20
RT	1	2	22
Total	5	5	21

FIG. 119C

Eigenvalues					
5277.370	1800.188	87.172	38.636	26.920	5.759
2.					
Canonical correlations					
1. 1 000 000	. 0. 994 987		0.		
0. 840					
Cumulative proportion	of total dispersion		_		
0. 0. 729 978	0. 990 995		0. 1. 000		
1.					
Wilks' lambda= Approx.F=	0.000 5.299 df= 315,	20 p-tail= 0.000	00		
Pillai's trace= (Approx.F=	6.485 1.959 df= 315,	49 p-tail= 0.002	26		
awley-Hotelling trace=. Approx.F= -	: 7238.447 16.414 df= 315,	-5 p-tail=			
Canonical discriminant	functions				
1	2	3 4	5	-	
Constant 000	0.	0. 000 000	0.	_	
6	7				
Constant ooo	0. 0.				

FIG. 119D

FACTOR(1)	31.378	4.071	0.964	1.632	0.309
FACTOR(2)	-7.334	7.746	-1.991	2.984	-0.441
FACTOR(3)	-25.539	-16.382	4.358	1.598	-0.365
FACTOR(4)	12.422	-5.058	1.504	-1.287	0.059
FACTOR(5)	14.807	-2.371	-0.543	-0.511	0.154
FACTOR(6)	-2.286	-3.427	0.861	-1.432	0.042
FACTOR(7)	-8.310	-17.352	-2.845	-0.636	-0.059
FACTOR(8)	-9.658	6.439	-1.233	-0.388	-0.451
FACTOR(9)	6.376	4.672	-0.584	-0.123	0.724
FACTOR(10)	1.220	6.832	0.108	-0.530	0.487
FACTOR(11)	12.693	-2.092	-1.113	0.482	0.919
FACTOR(12)	14.435	-7.638	-2.155	-0.913	-0.241
FACTOR(13)	-0.462	7.678	1.776	-1.334	0.010
FACTOR(14)	4.535	-5.414	-1.623	0.360	0.522
FACTOR(15)	0.244	-4.213	1.198	0.286	-0.087
FACTOR(16)	1.031	1.143	-0.552	-0.376	0.310
FACTOR(17)	-20.055	2.888	-0.016	1,330	0.685
FACTOR(18)	-7.071	9.757	1.984	0.048	0.240
FACTOR(19)	2.921	-3.531	-0.248	-0.048	-0.755
FACTOR(20)	5.545	-15.158	0.467	-0.403	-0.437
FACTOR(21)	-4.720	9.052	1.757	-1.940	-0.405
FACTOR(22)	-11.909	1.432	-1.953	-0.315	0.021
FACTOR(23)	0.313	7.533	-1.230	-0.361	-0.032
FACTOR(24)	17.959	-1.525	1.660	0.241	1.311
FACTOR(25)	4.791	3.968	-0.176	0.842	0.160
FACTOR(26)	-13.635	1.429	-0.821	0.216	0.429
FACTOR(27)	5.934	-4.565	-1.317	0.909	1.138
FACTOR(28)	-7.117	3.111	0.071	-0.492	0.192
FACTOR(29)	7.008	0.390	1.073	0.199	0.103
FACTOR(30)	1.986	3.631	0.223	0.204	-1.108
FACTOR(31)	3.927	1.592	1.020	1.068	0.483
FACTOR(32)		FIG	120A		

FIG. 120A

	-15.192	-0.671	-0.273	-0.961	2.409
FACTOR(33)	3.145	-0.139	0.605	0.076	1.399
FACTOR(34)	5.297	-1.439	0.298	0.187	0.718
FACTOR(35)	4.460	1.463	0.925	0.326	0.175
FACTOR(36)	-6.171	0.821	-0.119	0.662	0.723
FACTOR(37)	3.825	-3.616	1.157	0.154	0.269
FACTOR(38)	-5.844	0.449	-0.643	-0.382	0.689
FACTOR(39)	-9.343	-1.352	-0.496	-0.381	1.064
FACTOR(40)	-3.996	2.597	0.373	-0.798	0.618
FACTOR(41)	-1.432	-0.422	0.716	-0.307	1.015
FACTOR(42)	5.851	-1.719	0.850	0.639	0.111
FACTOR(43)	-2.754	-0.275	-0.342	-0.141	1.145
FACTOR(44)	-3.465	-2.389	0.077	0.375	1.222
FACTOR(45)			•		
FACTOR(46)			•	•	
FACTOR(47)			•		
FACTOR(48)	-5.143	0.770	-0.884	0.091	-0.735
FACTOR(49)			•		•
FACTOR(50)					
FACTOR(51)			•		•
FACTOR(52)	•				<u> </u>

FIG. 120B

		0.02
FACTOR(1)	0.37 4	0.03 0
FACTOR(2)	0.14 8	0.102
FACTOR(3)	0.37 3	0.046
FACTOR(4)	0.58 9	0.00 7
FACTOR(5)	0.52 3	0.33 5
FACTOR(6)	0.17 9	0.117
FACTOR(7)	0.509	0.13 7
FACTOR(8)	0.042	0.10 5
FACTOR(9)	0.09 1	0.114 0.26
FACTOR(10)	0.030	1 0.02
FACTOR(11)	0.17 9	2
FACTOR(12)	0.054	0.268 0.10
FACTOR(13)	0.182 0.55	1 0.34
FACTOR(14)	5 0.23	5
FACTOR(15)	7	0.334 0.03
FACTOR(16)	0.119	9 0.31
FACTOR(17)	0.276 0.01	7
FACTOR(18)	2	0.202
FACTOR(19)	0.076	0.087
FACTOR(20)	0.539	0.292 0.06
FACTOR(21)	0.531 0.04	4
FACTOR(22)	3 0.04	0.498
FACTOR(23)	3	0.085
FACTOR(24)	0.370	0.429
FACTOR(25)	0.00 4	0.397
FACTOR(26)	0.610	0.078 0.28
FACTOR(27)	0.710	4 0.22
FACTOR(28)	0.29 3	6 0.03
FACTOR(29)	0.498	1 0.03
FACTOR(30)	0.362	8
FACTOR(31) FACTOR(32)	0.10 5 0.39	0.183 0.07

FIG. 120C

	7	1
FACTOR(33)	0.655	0.297
FACTOR(34)	0.101	0.30
FACTOR(35)	0.440	0.12 4
FACTOR(36)	0.09 1	0.195
FACTOR(37)	0.31 4	0.59 4
FACTOR(38)	0.39 5	0.398
FACTOR(39)	0.74 2	0.151
FACTOR(40)	0.032	0.41 0
FACTOR(41)	0.317	0.169 0.41
FACTOR(42)	0.430	3
FACTOR(43)	0.04 0	0.235 0.34
FACTOR(44)	0.340	3
FACTOR(45) FACTOR(46) FACTOR(47)	0.15	0.24
FACTOR(48)	2	1
FACTOR(49) FACTOR(50) FACTOR(51) FACTOR(52)		· ·

Canonical discriminant functions -- standardized by within variances

FIG. 120D

	1	2	3	4	5
FACTOR(1)	27.438	3.560	0.843	1.427	0.270
FACTOR(2)	-6.267	6.619	-1.701	2.550	-0.376
FACTOR(3)	-16.017	-10.274	2.733	1.002	-0.229
FACTOR(4)	12.113	-4.932	1.466	-1.255	0.058
FACTOR(5)	14.841	-2.377	-0.544	-0.513	0.154
FACTOR(6)	-2.351	-3.525	0.885	-1.473	0.044
FACTOR(7)	-7.108	-14.842	-2.433	-0.544	-0.051
FACTOR(8)	-9.948	6.632	-1.270	-0.400	-0.465
FACTOR(9)	6.671	4.888	-0.611	-0.128	0.757
FACTOR(10)	1.268	7.105	0.112	-0.551	0.506
FACTOR(11)	12.950	-2.135	-1.135	0.492	0.937
FACTOR(12)	13.992	-7.404	-2.089	-0.885	-0.234
FACTOR(13)	-0.462	7.670	1.774	-1.332	0.010
FACTOR(14)	4.507	-5.381	-1.613	0.358	0.519
FACTOR(15)	0.253	-4.373	1.244	0.297	-0.090
FACTOR(16)	1.100	1.219	-0.588	-0.401	0.330
FACTOR(17)	-19.311	2.780	-0.015	1.281	0.659
FACTOR(18)	-7.069	9.754	1.983	0.048	0.240
FACTOR(19)	3.083	-3.727	-0.262	-0.050	-0.797
FACTOR(20)	5.224	-14.281	0.440	-0.380	-0.412
FACTOR(21)	-4.385	8.410	1.632	-1.803	-0.376
FACTOR(22)	-11.841	1.424	-1.942	-0.313	0.021
FACTOR(23)	0.326	7.844	-1.281	-0.375	-0.033
FACTOR(24)	16.806	<u>-</u> 1.427	1.553	0.226	1.227
FACTOR(25)	4.955	4.104	-0.182	0.870	0.165
FACTOR(26)	-13.789	1.446	-0.830	0.218	0.434
FACTOR(27)	5.664	-4.357	-1.257	0.867	1.086
FACTOR(28)	- 7.455	3.259	0.074	-0.516	0.201
FACTOR(29)	7.290	0.406	1.117	0.207	0.107
FACTOR(30)	2.048	3.745	0.230	0.211	-1.142
FACTOR(31)	4.071	1.650	1.058	1.107	0.501

FIG. 121A

FACTOR(32)	-13.329	-0.589	-0.239	-0.843	2.114
FACTOR(33)	3.082	-0.136	0.593	0.075	1.371
FACTOR(34)	5.540	-1.505	0.312	0.195	0.751
FACTOR(35)	4.666	1.531	0.968	0.341	0.183
FACTOR(36)	-6.457	0.859	-0.125	0.693	0.757
FACTOR(37)	3.832	-3.623	1.159	0.154	0.270
FACTOR(38)	-5.971	0.459	-0.657	-0.390	0.704
FACTOR(39)	-9.213	-1.333	-0.489	-0.376	1.049
FACTOR(40)	-4.113	2.673	0.384	-0.821	0.636
FACTOR(41)	-1.483	-0.437	0.741	-0.318	1.051
FACTOR(42)	5.971	-1.754	0.867	0.652	0.113
FACTOR(43)	-2.855	-0.285	-0.355	-0.146	1.187
FACTOR(44)	-3.504	-2.416	0.078	0.379	1.236
FACTOR(45)					
FACTOR(46)				•	•
FACTOR(47)		•			•
FACTOR(48)	-5.373	0.804	-0.924	0.095	-0.768
FACTOR(49)					•
FACTOR(50)	•				
FACTOR(51)				•	
FACTOR(52)			•	•	·

	0.32	7 0.02
FACTOR(1)	7 0.12	7
FACTOR(2)	6 0.23	0.087
FACTOR(3)	4 0.57	0.029 0.00
FACTOR(4)	4	7 0.33
FACTOR(5)	0.52 5 0.18	6
FACTOR(6)	5	0.120 0.11
FACTOR(7)	0.435	7
FACTOR(8)	0.043	0.10 8
FACTOR(9)	0.09 5	0.119
FACTOR(10)	0.031	0.27
FACTOR(11)	0.18 3	0.02 3
FACTOR(12)	0.053	0.260 0.10
FACTOR(13)	0.182	1
FACTOR(14)	0.55 2	0.34 2
FACTOR(15)	0.24 7	0.346
FACTOR(16)	0.127	0.04
FACTOR(17)	0.266	0.30 6
FACTOR(18)	0.01 2	0.202
FACTOR(19)	0.081	0.092
FACTOR(20)	0.508	0.275
FACTOR(21)	0.494	0.05 9
FACTOR(22)	0.04	0.496
FACTOR(23)	0.04 5	0.089
FACTOR(24)	0.346	0.402
FACTOR(25)	0.00 4	0.410
FACTOR(26)	0.616	0.079
FACTOR(27)	0.678	0.27
FACTOR(28)	0.30 7	0.23 7
FACTOR(29)	0.518	0.03
FACTOR(30)	0.373	0.04 0
FACTOR(31)	0.10 9	0.190

	0.34	0.06
FACTOR(32)	8	2
FACTOR(33)	0.642	0.291
FACTOR(34)	- 0.105	0.31 4
FACTOR(35)	0.460	0.13 0
FACTOR(36)	0.09 5	- 0.204
FACTOR(37)	0.31	0.59 5
FACTOR(38)	0.40 4	0.406
FACTOR(39)	0.73	- 0.149
FACTOR(40)	0.033	0.42 2
FACTOR(41)	0.329	- 0.175
FACTOR(42)	0.439	0.42 2
FACTOR(43)	0.04	0.244
FACTOR(44)	- 0.344	0.34 6
FACTOR(45) FACTOR(46) FACTOR(47)		0.25
FACTOR(48)	0.15 9	1
FACTOR(49) FACTOR(50) FACTOR(51) FACTOR(52)	•	· · ·

FIG. 121D

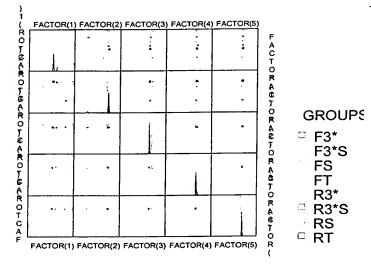
Canonical scores of group means

	•				5
	1	2	3	4	
F3*	43.081	113.251	4.364	1.429	2.323
F3*	- 104.714	- 14.520	9.260	0.616	2.977
FS	86.840	25.022	13.495	4.830	3.285
FT	10.393	18.853	6.650	9.729	0.283
R3*	62.606	7.312	9.120	7.595	10.641
R3*:	- 19.093	18.816	7.253	7.728	2.641
RS	92.468	11.944	11.481	5.703	6.912
RT	41.768	25.145	5.995	0.841	4.729

	6	7
F3*	1.03	-
ГJ	3	0.204
F3*!	-	0.15
rs .	0.842	7
FS	3.79	-
13	2	1.371
FT	-	/ -
	2.362	0.091
R3*	-	1.30
13	0.258	9
R3*;	-	-
κ,	0.670	3.601
RS	-	1.24
KO	3.109	4
RT	2.86	1.37
KI	1	5

Canonical Scores Plot

FIG. 122A



WARNING

The file

C:\Utilisateurs\OGp8586\Pr810G290802F.SYD was read for processing, and its contents have been replaced by saving the processed data into it.

53 cases and 56 variables processed and saved.

Distance metric is Euclidean distance

k-means splitting cases into 3 groups Summary statistics for all cases

Summary Status	SCICE FOR ALL	Cases			
Variable	Between SS	đf	Within SS	df	F-ratio
FACTOR(1)	4.310	2	47.690	50	2.259
FACTOR(2)	2.931	2	49.069	50	1.493
FACTOR(3)	1.260	2	50.740	50	0.621
FACTOR (4)	0.450	2	51.550	50	0.218
FACTOR (5)	0.433	2	51.567	50	0.210

Case	1	0.97	FACTOR (1)	-0.87	0.36	1.38	0.58
Ca	se	Distance	Variabl	e M	inimum	Mean	Maximum	St.Dev.
cruster	Membe:		-			Statistics		
Cluster	1 of 3	contains 18	cases					
** TOT	'AL **	104.000	.					
FACTOR		4.092		2600.0002		2.20		
FACTOR		1.300	2 2	47.908	50	2.135		
FACTOR		1.858	2	50.700	50	0.641		
FACTOR		0.026	2	50.142	50	0.927		
FACTOR		0.753	2	51.247 51.974	50	0.012		
FACTOR		1.830	2		50	0.368		
FACTOR		2.941	2	50.170	50	0.912		
FACTOR		0.385	2	49.059	50	1.499		
FACTOR		2.887	2	51.615	50 50	0.187		
FACTOR		4.625		49.113	50	1.469		
FACTOR			2	47.375	50	2.441		
FACTOR		1.395	2	50.605	50	0.689		
FACTOR		1.642	2	50.358	50	0.815		
FACTOR	1.	0.161	2	51.839	50	0.077		
		1.890	2	50.110	50	0.943		
FACTOR		10.691	2	41.309	50	6.470		
FACTOR		0.522	2	51.478	50	0.253		
FACTOR		2.031	2	49.969	50	1.016		
FACTOR		4.310	2	47.690	50	2.260		
FACTOR	1 1	0.029	2	51.971	50	0.014		
FACTOR		0.690	2	51.310	50	0.336		
FACTOR		2.181	2	49.819	50	1.095		
FACTOR FACTOR		1.603	2	50.397	50	0.795		
		. 0.535	2	51.465	50	0.260		
FACTOR FACTOR		1.008	2	50.992	50	0.494		
		1.058	2	50,942	50	0.519		
FACTOR		0.297	2	51.703	50	0.144		
FACTOR		1.397	2	50.603	50	0.690		
FACTOR		0.662	2	51.338	50	0.322		
FACTO		4.014	2	47.986	50	2.091		
FACTOR FACTOR		2.352	2	49.648	50	1.184		
		0.117	2	51.883	50	0.057		
FACTO		2.569	2	49.431	50	1.299		
FACTO	•	3.794	2	48.206	50	1.968		
FACTO		1.107	2	50.893	50	0.544		
FACTO		3.101	2	48.899	50	1.586		
FACTO		4.144	2	47.856	50	2.165		
FACTO		2.089	2	49.911	50	1.046		
FACTO		0.219	2	51.781	50	0.106		
FACTO		0.109	2	51.891	50	0.052		
FACTO		3.361	2	48.639	50	1.727		
FACTO		4.242	2	47.758	50	2.221		
FACTO		5.184	2	46.816	50	2.768		
FACTO		1.309		50.691	50	0.646		
FACTO		1.368	_	50.632	50	0.675		
FACTO		0.373	2	51.627	50	0.181		
FACTO		1.371	. 2	50.629	50	0.677		
FACTO	R(6)	0.993	2	51.007	50	0.487		

Cluste	er 1	of 3 contains in	Cases			_	
	M	embers	-	Statistics			
_	ase	Distance	Variable	Minimum	Mean	Maximum	St.Dev.
Case	1	0.97	FACTOR(1)	-0.87	0.36	1.38	0.58
Case	5	0.97	FACTOR(2)	-0.59	0.29	1.34	0.60
	6	0.97	FACTOR(3)	-1.65	-0.19	0.69	0.50
Case	-	0.97	FACTOR (4)	-1.08	-0.05	1.66	0.74
Case	8	0.97	FACTOR (5)	-0.60	0.08	0.88	0.45
Case	10		FACTOR(6)	-1.30	-0.09	1.61	0.74
Case	11	0.97	FACTOR (7)	-1.71	-0.21	1.07	0.70
Case	13	0.97	· · · · · ·			1.06	0.62
Case	14	0.97	FACTOR(8)	-1.03	0.07		
Case	16	0.97	FACTOR (9)	-0.52	0.11	0.58	0.34
Case	17	0.97	FACTOR (10)	-2.74	-0.17	1.61	0.94
Case	18	0.97	FACTOR(11)	-0.68	0.24	1.02	0.46
	-	0.97	FACTOR(12)	-1.61	-0.01	1.21	0.68
Case	19	0.57	Inclose				

Case	20	0.97	FACTOR(13)	-1.30	0.01	0.88	0.55
Case	21	0.97	FACTOR(14)	-1.38	0.06	0.94	0.51
Case	28	0.97	FACTOR (15)	-0.82	0.06	1.20	0.57
Case	36	0.97	FACTOR (16)	-1.60	-0.12	0.65	0.62
Case	38	0.97	FACTOR (17)	-1.62	0.07	1.57	0.81
Case	53	0.97	FACTOR(18)	-1.10	0.22	2.55	0.94
case	33	i	FACTOR(19)	-1.25	0.15	3.67	1.00
		i	FACTOR (20)	-1.48	-0.30	1.47	0.87
		i	FACTOR (21)	-1.51	-0.15	1.68	0.83
		i	FACTOR (22)	-2.73	-0.06	2.08	1.12
		i	FACTOR (23)	-1.86	-0.06	1.44	0.90
		i	FACTOR (24)	-1.48	0.20	2.00	1.09
			FACTOR (25)	-1.53	0.11	2.06	0.94
		i	FACTOR (26)	-1.20	0.18	2.67	0.98
		i	FACTOR (27)	-1.91	-0.08	1.35	1.02
		i	FACTOR (28)	-2.43	0.09	1.61	0.99
		i	FACTOR (29)	-1.28	0.04	1.79	0.87
		i	FACTOR (30)	-2.91	0.05	1.90	1.17
		i	FACTOR (31)	-1.86	0.20	2.39	1.15
		i	FACTOR (32)	-2.49	-0.24	1.56	1.25
		i	FACTOR (33)	-1.58	0.03	1.91	0.99
		i	FACTOR (34)	-1.55	-0.00	2.96	1.01
		i	FACTOR (35)	-2.25	-0.31	1.85	1.17
		į	FACTOR (36)	-2.91	0.07	1.90	1.14
		İ	FACTOR (37)	-2.83	0.13	2.35	1.43
		İ	FACTOR (38)	-2.61	-0.62	2.33	1.15
		j	FACTOR (39)	-2.80	-0.26	2.23	1.14
		j	FACTOR (40)	-2.61	0.01	2.51	1.25
		j	FACTOR (41)	-3.28	-0.24	2.90	1.44
		j	FACTOR (42)	-2.52	0.05	2.78	1.41
		İ	FACTOR (43)	-2.88	0.31	2.13	1.14
		į	FACTOR (44)	-1.49	-0.04	1.99	0.96
		İ	FACTOR (45)	-1.42	0.11	1.83	0.91
		İ	FACTOR (46)	-1.62	-0.11	2.10	0.97
		į	FACTOR (47)	-2.13	0.26	2.79	1.24
		į	FACTOR (48)	-3.21	-0.15	1.91	1.42
		j	FACTOR (49)	-1.52	-0.02	2.29	1.03
		į	FACTOR (50)	-3.70	-0.23	1.37	1.41
		j	FACTOR (51)	-2.42	0.21	3.70	1.43
		į	FACTOR (52)	-1.87	0.35	5.52	1.49
		 -		. -			

Cluste	r 2	of 3 contains 18	cases				
	M	embers		Statistics			
С	ase	Distance	Variable	Minimum	Mean	Maximum	St.Dev.
Case	22	0.97	FACTOR(1)	-1.96	-0.04	1.50	0.99
Case	23	0.97	FACTOR(2)	-1.65	-0.28	1.84	0.91
Case	25	0.97	FACTOR(3)	-2.16	0.18	2.85	1.30
Case	26	0.97	FACTOR (4)	-3.55	0.13	2.26	1.31
Case	29	0.97	FACTOR (5)	-2.04	0.04	2.02	1.17
Case	30	0.97	FACTOR (6)	-1.84	0.19	3.40	1.41
Case	31	0.97	FACTOR (7)	-2.58	0.18	2.90	1.43
Case	33	0.97	FACTOR(8)	-1.79	0.05	3.56	1.31
Case	34	0.97	FACTOR (9)	-2.10	0.11	1.92	1.30
Case	35	0.97	FACTOR(10)	-2.21	0.20	1.62	1.01
Case	37	0.97	FACTOR(11)	-2.89	-0.44	2.63	1.28
Case	39	0.97	FACTOR(12)	-0.86	0.34	2.99	0.96
Case	41	0.97	FACTOR(13)	-1.25	0.30	1.52	0.81
Case	42	0.97	FACTOR (14)	-2.72	-0.05	3.12	1.29
Case	43	0.97	FACTOR(15)	-1.89	-0.09	2.38	1.28
Case	45	0.97	FACTOR (16)	-1.83	-0.15	1.79	1.02
Case	49	0.97	FACTOR(17)	-3.46	-0.36	1.37	1.26
Case	51	0.97	FACTOR(18)	-1.87	-0.33	2.39	1.19
		İ	FACTOR(19)	-1.52	-0.19	1.56	0.83
			FACTOR(20)	-1.04	0.34	2.34	0.91
FIG. 122C							

0.70

1.39

0.11

l	FACTOR(21)	-1.76	-0.15	1.64	0.88
ľ	FACTOR (22)	-2.88	0.05	1.52	1.06
	FACTOR (23)	-1.30	0.28	1.77	0.87
ì	FACTOR (24)	-1.56	0.18	1.13	0.74
ľ	FACTOR (25)	-2.32	-0.15	1.30	1.13
	FACTOR (26)	-2.06	0.02	2.86	1.08
i	FACTOR (27)	-1.84	0.10	1.31	0.96
l	FACTOR (28)	-3.30	-0.20	2.60	1.25
ŀ	FACTOR (29)	-2.04	0.14	1.94	1.03
l	FACTOR (30)	-3.05	0.09	1.97	1.13
l	FACTOR (31)	-2.39	-0.22	1.77	1.10
ì	FACTOR (32)	-1.41	0.00	1.38	0.87
i	FACTOR (33)	-1.87	0.12	3.89	1.17
ŀ	FACTOR (34)	-1.66	-0.03	2.05	0.98
i	FACTOR (35)	-1.30	-0.05	1.39	0.79
ŀ	FACTOR (36)	-2.33	-0.26	0.85	0.85
i	FACTOR (37)	-1.47	-0.11	0.94	0.67
i	FACTOR (38)	-0.69	0.39	2.27	0.72
i	FACTOR (39)	-1.65	0.15	2.24	0.95
i	FACTOR (40)	-1.99	0.06	2.46	0.98
i	FACTOR (41)	-1.96	0.06	1.12	0.73
i	FACTOR (42)	-1.48	-0.22	1.04	0.71
i	FACTOR (43)	-2.27	0.07	1.99	0.86
İ	FACTOR (44)	-1.75	-0.26	0.43	0.60
İ	FACTOR (45)	-2.00	-0.02	1.13	0.75
İ	FACTOR (46)	-0.59	0.32	2.18	0.77
İ	FACTOR (47)	-2.07	-0.14	1.24	0.91
İ	FACTOR (48)	-0.86	0.01	1.02	0.46
İ	FACTOR (49)	-1.65	-0.01	1.88	0.74
İ	FACTOR (50)	-1.15	0.01	2.45	0.76
İ	FACTOR (51)	-1.95	-0.15	0.52	0.59
İ	FACTOR (52)	-0.85	-0.04	1.08	0.39
_					

Cluster 3 of 3 contains 17 cases Statistics Members Mean Maximum St.Dev. Minimum Variable Distance Case 1.26 -0.34 1.58 -2.67 FACTOR (1) 0.97 Case 2 1.70 1.34 -0.01 -4.29 FACTOR (2) 0.97 Case 1.05 -3.06 0.01 1.49 FACTOR (3) 0.97 Case 4 0.90 2.65 -0.08 -1.44 0.97 FACTOR (4) 7 Case 1.25 2.34 -0.13 -3.05 FACTOR (5) 0.97 9 Case 0.71 -0.10 1.24 -1.95 FACTOR (6) 0.97 Case 12 0.69 0.03 1.24 -1.12 FACTOR (7) 0.97 Case 15 1.00 -0.12 1.55 -2.94 FACTOR (8) 0.97 Case 24 1.12 -0.23 1.73 -2.80 FACTOR (9) 0.97 Case - 27 1.07 -1.57 -0.03 1.85 FACTOR(10) 0.97 Case 32 0.98 2.23 -1.92 0.20 0.97 FACTOR(11) Case 40 1.23 1.09 -3.64 -0.35 FACTOR (12) 0.97 Case 44 -0.32 2.52 1.42 FACTOR(13) -3.30 0.97 Case 46 -0.00 2.00 1.10 -2.33 FACTOR (14) 0.97 47 Case 1.07 0.02 1.87 -2.66 FACTOR (15) 0.97 Case 48 0.29 2.82 1.27 -2.14 FACTOR (16) 0.97 Case 50 0.77 -0.84 0.31 2.01 0.97 FACTOR (17) Case 52 0.79 1.58 -1.47 0.12 FACTOR(18) 1.18 -2.40 0.05 2.69 FACTOR (19) 1.15 2.30 -0.04 -1.58 FACTOR (20) 1.24 3.10 0.32 -1.10 FACTOR (21) 0.85 0.01 1.63 -1.15 FACTOR (22) 1.20 1.17 -0.23 -3.20 FACTOR (23) -0.40 0.87 1.08 -3.25 FACTOR (24) 0.95 0.04 2.36 -1.25 FACTOR (25) FIG. 122D 0.94 -2.19 -0.22 0.98 FACTOR (26) 1.60 1.08 -2.32 -0.02 FACTOR (27)

FACTOR (28)

-0.81

ı	FACTOR(29)	-2.02	-0.19	1.91	1.12
i	FACTOR (30)	-1.45	-0.14	0.90	0.64
i	FACTOR (31)	-1.32	0.01	1.44	0.68
i	FACTOR (32)	-1.07	0.26	2.55	0.81
ì	FACTOR (33)	-2.34	-0.16	1.04	0.84
ł	FACTOR (34)	-1.63	0.03	2.15	1.07
ł	FACTOR (35)	-0.87	0.39	3.01	0.93
¦	FACTOR (36)	-0.85	0.21	2.47	0.99
ł	FACTOR (37)	-1.42	-0.02	1.98	0.75
ł	FACTOR (38)	-0.94	0.25	2.60	0.80
	FACTOR (39)	-2.19	0.12	1.53	0.88
ŀ	FACTOR (40)	-1.06	-0.07	1.56	0.74
!	FACTOR (41)	-0.49	0.18	1.55	0.62
ł	FACTOR (42)	-1.77	0.17	1.31	0.73
ŀ	FACTOR (42)	-2.28	-0.40	1.13	0.88
1	FACTOR (44)	-2.33	0.31	2.96	1.31
1	FACTOR (44)	-2.74	-0.10	3.27	1.33
ŀ	FACTOR (45)	-3.40	-0.23	1.73	1.20
ļ	FACTOR (40)	-1.86	-0.12	1.55	0.78
ļ	FACTOR (47)	-2.16	0.15	1.63	0.91
	FACTOR (48)	-2.51	0.03	3.14	1.24
1		-1.00	0.23	1.43	0.64
ļ	FACTOR (50)	-2.57	-0.06	1.05	0.79
ļ	FACTOR (51)		-0.33	0.44	0.68
1	FACTOR (52)	-1.99	-0.33	0.44	.0.00

Cluster Parallel Coordinate Plots

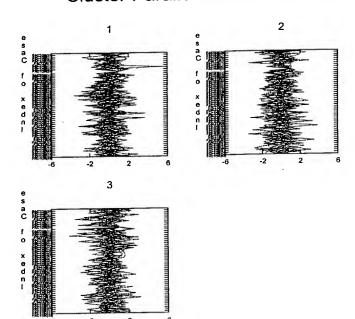


FIG. 123A

Cluster Profile Plots

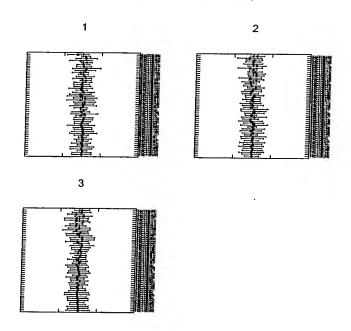


FIG. 123B